Ward you. Let it first rest on the front edge, then on the front side, and at last on the top.

Now, I don't intend to urge any of my brothto bee keepers in America to accept this movable straw hive-no, not in the least. Their bobey-market and other circumstances are diflevent from those of Germany in more than one Repect; and, besides that, I am fully aware that the hive used in America is the most suitable one for the wants of the American beekeepers. But as there is nothing perfect in bis world of trouble, and progress must take Place everywhere, I am convinced that very de-Gided progress will be put forward in that line which has been pointed out by you friend Root, and by Mr. Brown-handling hives more instead of frames. How this is to be done in the most suitable way, in your country, will, no doubt, be shown by American bee keepers with-Out any assistance from other countries. James Reddon has already taken a great step forward; and other steps of importance, to further your idea are, I think, the accession of the fixed Hoffman frames and the movable bottom-board.

After these preliminary words, let me explain in what way you, friend Root, and Mr. Brown bave advanced a most valuable idea in the beeteeping world by advocating the handling of blyes instead of frames. You will allow me to describe this by referring to my hive, as I lay Breat stress thereon. American bee-keepers do bot think ill of my hive ; but I wish to convince them that it is not the production of the writing table, but the fruit of careful experience, and such a one as has helped me to raise a crop of honey not surpassed by any other bee-keeper in Germany, unless by one of my disciples.

The handling of the hive, and not touching any of the frames, can be accomplished if the Colonies are in a normal condition, as a colony With Will be if the bee-keeper did his duty at the close of the previous season, and the wintering Was good. Of course, there will be exceptions to the rule; but of such I shall speak by and by. As for these colonies, the movable comb and bandling of frames is of the greatest benefit. I badde bives: 1. After the first cleansing flight in the spring. I do not have to remove any ways. Watming materials, quilts, nor to open a door, is hecessary with side-opening hives. I simby torn my hive over, in the way before mentioned. This gives a most complete view of the interior of the hive, not limited by wide topbars and thick honey-combs, or one single comb, the case with German hives. I see how by spaces between the comb are filled with and how strong the colony is. No one City.

Should the bees not sit in a compact cluster, but more scattered between and on the combs, then the colony is most probably queenless. A few puffs from the smoker will drive the bees down. I now let the bright davlight in, and see whether there is brood in the comb or not : and then should I not see what I wish to. I push aside two combs from those in the middle of the cluster, and take them out of the hive to look after the queen or eggs. In the same way I find out how it is with the provisions, providing lifting the hive and weighing it in my hands has not told me what I wished to know. Finding all is right, as a good normal colony always will be, the whole task is done without handling any trames. In less than a minute the hive stands again in its old position-no replacing of a quilt or warming materials, nor a window; no loss of heat from the brood-nest. no tearing up of the nicely glued cover to cause a draft of air from the entrance through the cluster of the bees to the top of the hive. If not prevented by loss of time, there is no disturbing the bees by handling frames. To let the bees alone till a time of mild weather would not be judicious. The sooner I know the wants of a colony, the sooner I can help. I do not need more than three hours on the day following a cleansing flight, to know the minute conditions of hundreds and more of my colonies; besides having swept with a brush the dead bees and the cappings of the honey-cells from the floor board, saving more than four pounds of wax from a hundred colonies in this way. All colonies that need my further attention (and these are always a considerable part) get one, two, or three sticks on the front side, according as the brood-chamber is to be contracted, queenlessness is suspected, or stores are supplied. In these colonies, as exceptions to the rule, I do not avoid handling the frames; on the contrary, in such case it is a benefit to help them by means of the movable combs.

great importance every time. If the bees come

up brisky from a compact cluster below, then I

take it for granted the colony is not queenless.

I handle only the hives, to know whether a colony is on the swarming-point, or fit to swarm artificially. No one will deny that it is of great importance to know this. I simply turn the hive over, giving a few whitfs of smoke; and now, as the true workingplace of the colony lies open before me, I see whether queen-cells are started, whether there are eggs in them or larvæ, or on the point of being capped over, or have reached maturity.

Wildeny that an exact knowledge of this is of three inches beneath the small bottom-bars cf