

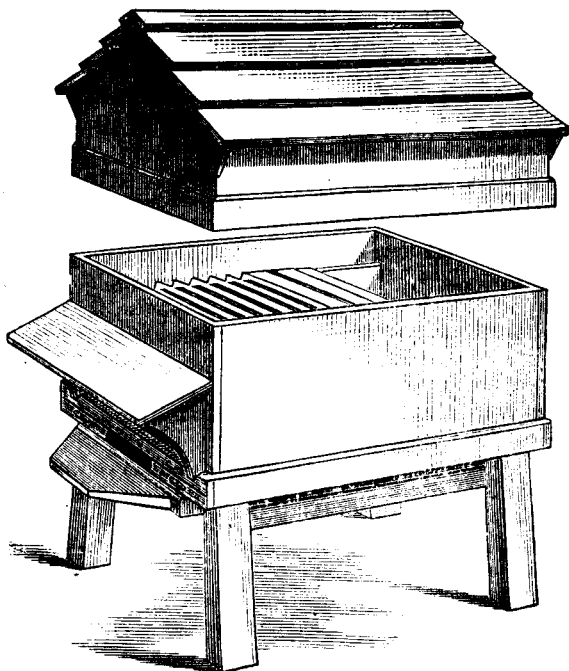
A. I. Root, asked if it would not be better to make the thumb-screws of metal?

Mr. Heddson said no; they would be so expensive that they would be made too small; then the threads would not hold in the wood, and it would be slow work turning them in and out. The screws should not be too large for the hole, they should work very easily. Before using the screws they ought to be boiled in talow, then the shrinking and swelling will be so small that no trouble will result.

Mr. Betsinger asked if Mr. Heddson considered his hive the first one with a double brood-chamber?

Mr. Heddson said it was the first one with a

term: makes the leading one, whether most important or not, this: Will it command sufficient returns in dollars and cents to afford a comfortable support for self and family? Another is: Is it congenial? In a country where every one may choose his occupation, free from the degrading curse of caste, no one should follow a pursuit that is not in harmony with his inborn predilections. Another question is, or ought to be, will it properly cultivate the intellectual and moral nature, so that the worker will develop and grow in all his faculties, while striving to earn a comfortable subsistence. "It is not all of life to live," according to the common acceptance of the



SOMETHING ABOUT ENGLISH BAR FRAME HIVES.—FIG. 4.

*horizontally divisible brood-chamber.*

Mr. Betsinger said he had used a hive having the same principle years ago; he did not write about it because the bee-papers would not pay him enough. So far as the shaking out function was concerned, he (Betsinger) could shake the bees out of a Langstroth hive as quickly as from a Heddson hive.

Next came an essay from Mr. Eugene Secor, of Forest City, Iowa, entitled:

BEE-KEEPING ALONE, OR WITH OTHER PURSUITS.

In the choice of a vocation there are certain questions which rightfully claim the consideration of every man or woman. The instinct of self-preservation implanted within us, naturally

Now, unless these questions can all be answered in the affirmative, there is something lacking in the employment, or in the make-up of the person.

As to bee-keeping, there can hardly be a question as to its intellectual and moral tendency. For proof, I have only to cite the shining examples, both living and dead, who are, or have been engaged in the pursuit. Whoever heard of a bee-master being charged with a crime?

It will be congenial to those fitted by nature to follow it, just as a natural mechanic feels at home with the tools with which he cheerfully earns a living. There is no use saying that every man will make a successful bee-keeper, any more than it is to say every man is by nature an