

ions, this was designed by the Rev. Geo. Raynor, one of our veterans in the craft. There is a little window in the end of each division and each set of seven are held in position by a wedge.

in our show cases is pretty well demonstrated.

Honey boards and queen [excluder zinc are not used by us. The latter is gone out of fashion except by the fossilized. I have yet to see the

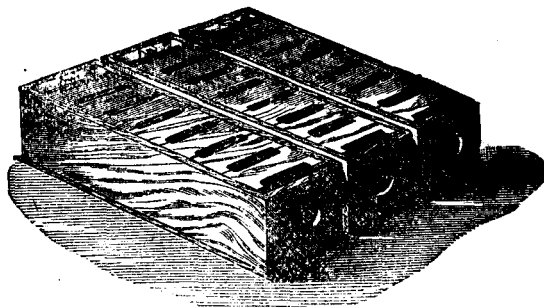


FIG. 4.

Fig. 5 also contains 21 sections, the outer case is divided in the middle, one half is raised in the cut, compression is given by screws; it is invertible, consequently the half bee-space is separate. We have also section cases with tin rests. I am sorry I cannot give you a cut, but

excluder zinc that will keep out a queen if her mind is bent on going through, unless the said zinc was perforated so small as to be a very great hindrance to the workers. How do we keep the queens out of the supers? By using worker size foundation in supers, and only running young queens. Throw away your "shut-out" and try it!

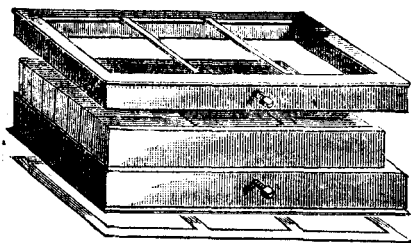


FIG. 5.

they are very similar to fig. 5 only the bee-space is like that shown at fig. 3. I may say in this connection, all these cases are made to take the $4\frac{1}{2} \times 4\frac{1}{2} \times 2$ in. sections. We have no registered "Standard" size section, but there are thousands

DIVIDERS.

Previous to the season 1886 the dividers used were like what is shown at fig. 2. One day I had an inspiration; it came like a flash. I communicated it to bee-keepers and it was adopted. I afterwards found that the same idea had occurred to a "cousin Jonathan" whose name I do not remember. I saw it in *Gleanings*, but not till mine was made public. It is the old story of the same idea occurring to two minds, far removed by space. The accompanying fig. 6 gives you a cut of it. Few things have met with a more ready approval at the hands of bee-keepers. Mr. Blow manufactured and issued them; in four

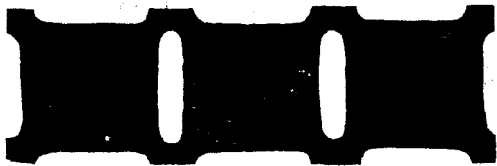


FIG. 6.

of this size used where there are not even units of other sizes, so that practically this is our standard one pound section by an "unwritten law."

Your exhibit and commissioners at S. Kensington raised a slight "flurry" in favor of narrow sections worked without dividers, but narrow sections are not yet "come to stay" and the fallacy of trying to produce sections in quantity without dividers that will admit of being glazed

months he tells me he cut upwards of three tons of the very thinnest sheet zinc into these dividers alone, besides some thousands of very thin wood. Just my luck! If I had only patented the idea and charged a royalty!

"There is a time in the tide of affairs of every man which if" etc., etc.

That if!

But to return to sober seriousness, I wish another pen had to write this chapter. Of course