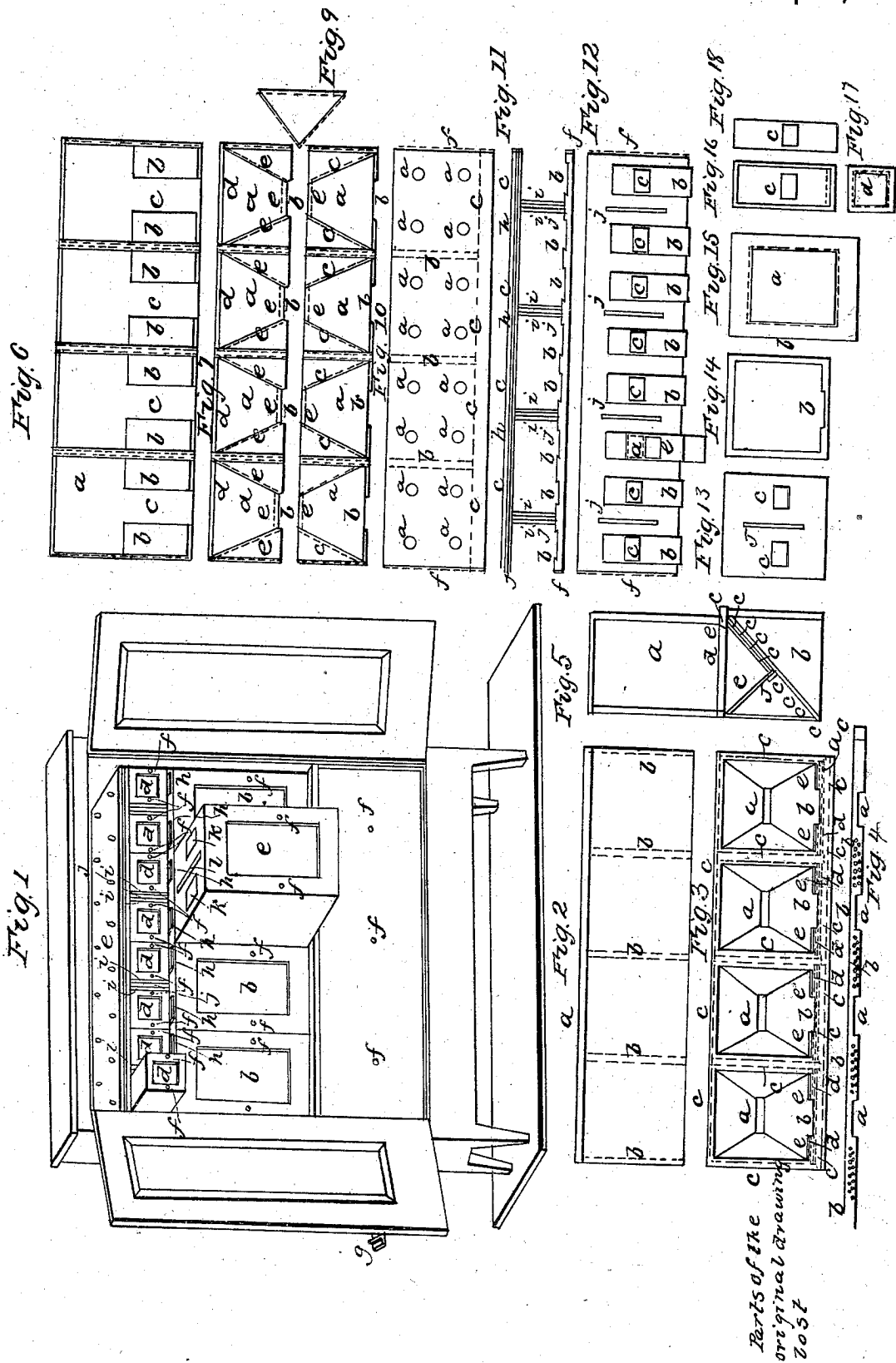


W. D. MILLER.

Bee Hive.

No. 3,246.

Patented Sept. 1, 1843.

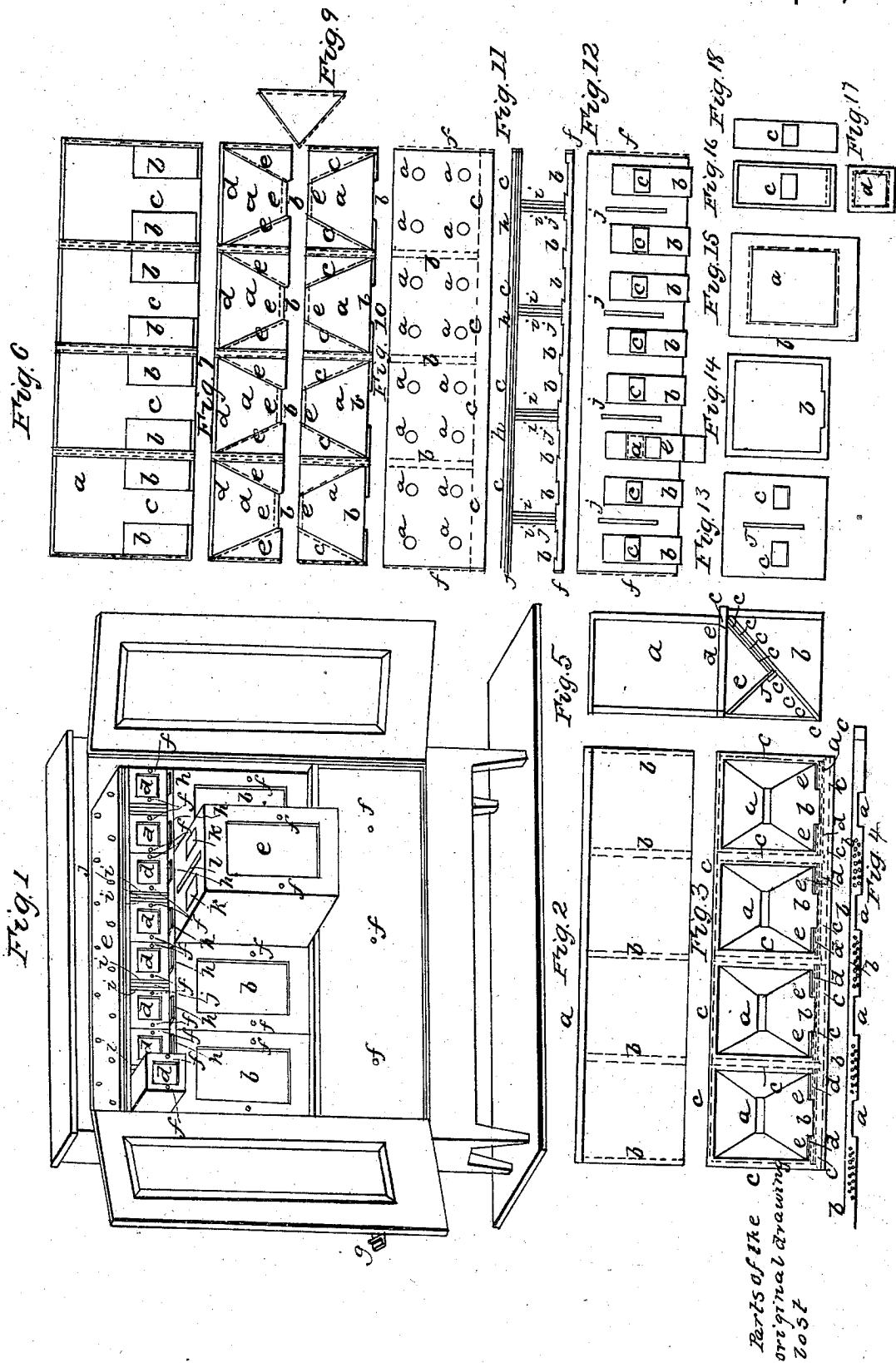


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sundown which will protect the bee from the miller the parent of the moth. If there should be any bees out when it is closed the part between the hopper and the outside entrance is a protector from the weather over night. In the morning about sunrise the slide must be drawn back. If the slide should not be attended to, the aforesaid hopper will be a protector from the moth by conveying out of the palace all the moths that may be got loose by the bees or otherwise.

The second apartment in this specification is the hive with a glass front (*a*) Fig. 15 the glass to be put in the inside as represented by dots (*b*.) The top Fig. 13 has two open spaces (*c*) for admission to the drawers and a space (*J*) for the admission to the upper chamber. Also a space in the partition (*J*) between the hive and drawer Fig. 12 up through the partition (*J*) Fig. 11 to the inside of the partition between the drawer and upper chamber (*h*) Fig. 11. The upper part of the partition between the drawer and upper chamber (*c*) Fig. 11 is shown at Fig. 10 with holes (*a*) to be closed with a plug as represented at (*e*) Fig. 1 until the bees are hived, then the plugs may be drawn and glass tumblers or bowls put on for the bees to work in. There are partitions at (*b*) to keep each company of bees to their own apartment and a lining (*c*) Fig. 10 and (*J*) Fig. 11 to keep the bees from getting out in front.

The third apartment the drawer (*d*) Fig. 1 has a glass front (*a*) Fig. 14. The bottom Fig. 16 has an open space (*e*) as described at (*c*) Fig. 13, for admission to the inside of the drawer. When the drawer is filled it can be taken out and emptied by drawing a

tin cutter Fig. 18, and (*h*) Fig. 1, (*b*) Fig. 12. When the cutter is drawn a certain distance it cuts the honey and closes the entrance to the drawer as shown at (*a*) and *e* Fig. 12. When the drawer is returned the cutter is pushed back as shown at (*b*) Fig. 12. The tin cutter is put in with a dovetail groove (*b*) Fig. 11.

The fourth apartment represented at (*e*) Fig. 1, is an open space extending back the depth of the palace to be used for glass tumblers or bowls as described before. The inside of an end of the palace is shown at Fig. 19, and the space for each apartment, the braces for the outside plane (*i*), the outside plane (*x*), the bottom board (*f*), the space for the protector (*m*), the mortise for the slide (*a*). The line of (*e*) is the direction for the bees to the hive (*b*), the grooves (*d*) for the partition between the hive and drawer (*l*), the groove (*e*) for the partition between the drawer and upper chamber (*n*), the rabbet for the door (*k*), the back (*h*). Fig. 20, is the thickness of the end piece. Fig. 21 is the back of the palace representing the slide (*a*), the braces (*i*), the outside plane (*x*), the entrance to the inside (*b*).

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the protector and slide constructed as described with the above described arrangement of hives furnished with pyramidal bottoms for the purpose specified.

WM. D. MILLER.

Witnesses:

P. A. SPINING,
I. A. CRAIN.