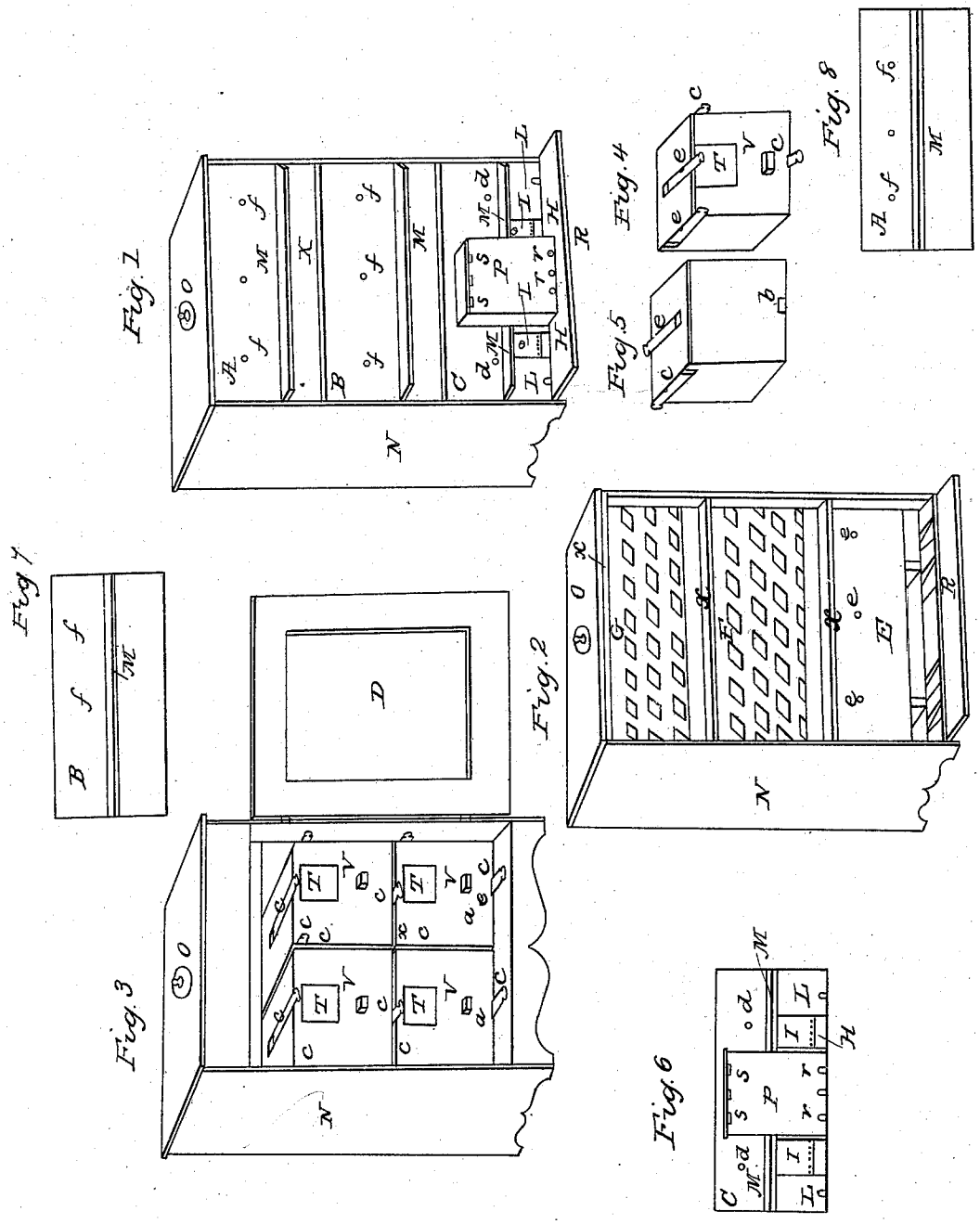
C. PAWLING.

Bee Hive.

No. 15,894. Patented Oct. 14, 1856.



UNITED STATES PATENT OFFICE.

CHAS. PAWLING, OF NEW PITTSBURG, OHIO.

BEEHIVE.

Specification of Letters Patent No. 15,894, dated October 14, 1856.

To all whom it may concern:

Be it known that I, CHARLES PAWLING, of the town of New Pittsburg, in the county of Wayne, in the State of Ohio, have invented a new and useful Improvement on Bee-Palaces; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference and figures marked thereon.

The nature of my invention consists in providing the front part of the bee palace with three boxes constructed of wood placed in the front part of the palace without having any connection with the interior of the palace and also a box constructed of same material attached on the front of the palace in the vicinity of where the bees enter the palace, through suitable openings the bee moth enter into the interior of these boxes and build their nests and breed their young and in no respect interfere with the bees or their honey in the interior of the palace. By means of these boxes so constructed and arranged the bees are perfectly shielded from the bee moth or miller and also consists in so arranging the drawers in the palace that the bees may be colonized and honey abstracted from the drawers without destroying or materially disturbing the bees.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and mode of operation.

Figure 1 is a perspective representation of a bee palace exhibiting the front side and top. Fig. 2 is a representation of the front of a palace with the shutters thereof A B C removed. Fig. 3 represents the back part of the palace with the shutter D thereof thrown open. Fig. 4 is one of the drawers represented in Fig. 3. Fig. 5 is a front view of a drawer represented in Fig. 3. Fig. 6 represents the shutter C of opening E. Fig. 7 represents the shutter of opening F. Fig. 8 represents the shutter of opening G.

I construct my palace of inch boards of square form of sufficient size to contain from four to twenty drawers (Fig. 4) as may be desired. The palace may be nailed, screwed or dovetailed together as the builder may see proper. The drawers are constructed of boards one half inch thick of square form (Fig. 4) and of sufficient size to contain about half a bushel honey comb. The drawers are so constructed that the top or lid of each may be taken off at pleasure or so constructed as to make the lid permanent and remove the bottom board of the drawer at pleasure for the purpose of taking the honey out of the drawer. When properly constructed these drawers are placed in the inside of the palace as represented by Fig. 3, and the shutter D closed over them they become entirely concealed from view. In the two lower drawers *a*, *a*, there are openings *b* as represented in Fig. 5. These openings are where the bees pass from the openings H into the drawers. Through the openings H H and *b*, *b*, is the only way the bees can get into the palace or drawers.

In each of the drawers Fig. 4 there are four slides *c* by means of which openings are made or closed as may be desired. These slides are so arranged upon the drawers that by drawing the proper one on each drawer opposite the other the bees may pass, from drawer to drawer throughout the whole palace and by closing the slides the bees may be prevented from passing in or out of the drawers as may be desired. By this mode the bees may be easily colonized and by the same mode after they have filled the drawer or drawers with honey comb may be driven out of the drawer thus filled into another drawer and the one thus filled with comb may be removed from the palace and an empty one placed in its stead.

Letter I on shutter Fig. 6 represents slides. These slides are designed to close the openings H H and prevent the bees from passing in or out of the palace when desired. The checkered work F G, Fig. 2 is in two parts consisting of inch board boxes about six inches deep placed in a frame recess on the front part of the palace. The checker work in those boxes represents honey comb which is to be placed therein as a depository for the eggs of the bee moth or bee miller and a place where they may build their nests and breed their young without molesting or interfering with the bees. These boxes are made of inch boards and so constructed as to be removed when desired. Letter E is also a box of the same character and designed for the same purpose. It has a lid on the front thereof in which are three small round openings *e e*. In the interior of this box behind this lid is

to be deposited dry honey comb for the purpose placed in boxes represented by F G. The openings of Figs. 6—7—8 and the openings L Fig. 6 are where the bee moth or bee miller may pass into the boxes E F G. The openings L L lead up into the lower part of the box E. On shutters Figs. 6—7—8 there is a ledge M fastened extending along the shutter under the openings *f* on which the bee moth or miller may light before passing into the palace at openings *f*. These ledges are about an inch in thickness and project in front of the face of the palace about two inches. At the lower extremity of the palace there is a base board R which projects in front of the face of the palace about six inches whereon the bees light before entering the palace at H H. On the front part of shutter Fig. 6 there is attached a wooden box P. This box is constructed of inch boards about 18 inches high 16 inches wide and about 6 inches deep. In the interior of this box there is to be placed dry honey comb for the purpose stated in reference to box E F G. Through the openings *r* and *s* the bee moth or miller can pass into the box P and breed their young amid the honey comb therein deposited.

In the front side of the drawers as seen in Fig. 3 there is placed in each a pane of glass T six inches square of usual thickness through which may be seen the operations of the bees and the honey comb in the drawers. Immediately below this pane of glass are openings V wherein may be placed a funnel from which the bees may be supplied with food. When not being supplied with food this opening may be plugged with any substance that will close the opening.

Letter N represents the side of a palace, O the top thereof.

X are slots or bars of wood which separate the shutters on front of the palace Fig. 1.

The box P is so constructed that it may be removed without in any respect interfering with the bees.

The whole front part of the palace is devoted to the use of the bee moth or miller as above described, and the bee moth or miller have no way of access into the palace to the bees except through the openings H H. Through openings *a* Fig. 6 the bee moth can pass to the box E.

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

The arrangement of the bee entrances H, H, with the moth entrances *f*, *f*, *f*, and moth receptacles E, F, G, P, when located as herein set forth and described, and for the purpose stated.

CHARLES PAWLING.

Witnesses:

SIMON P. STULER,

JAMES C. GLASGOW.