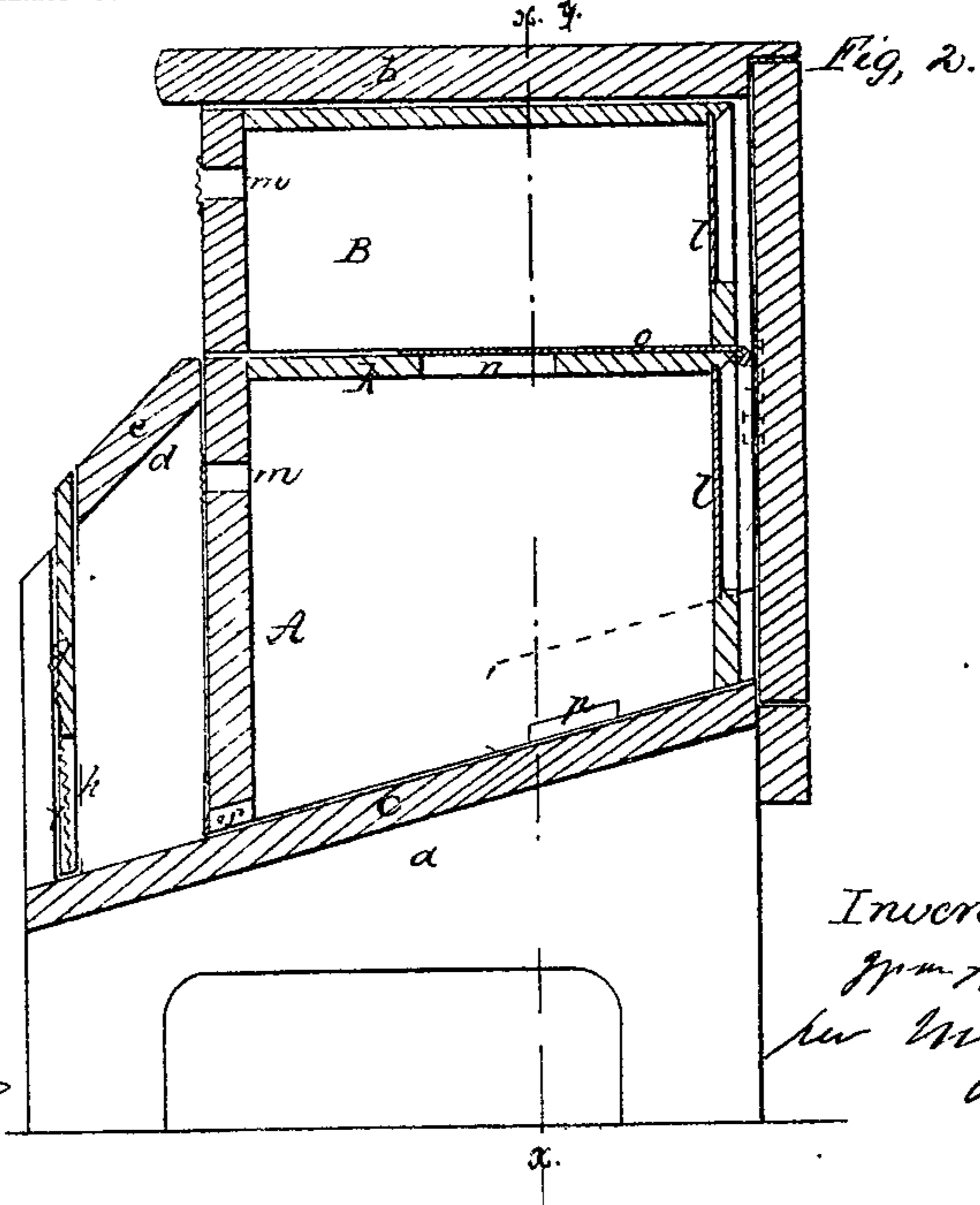
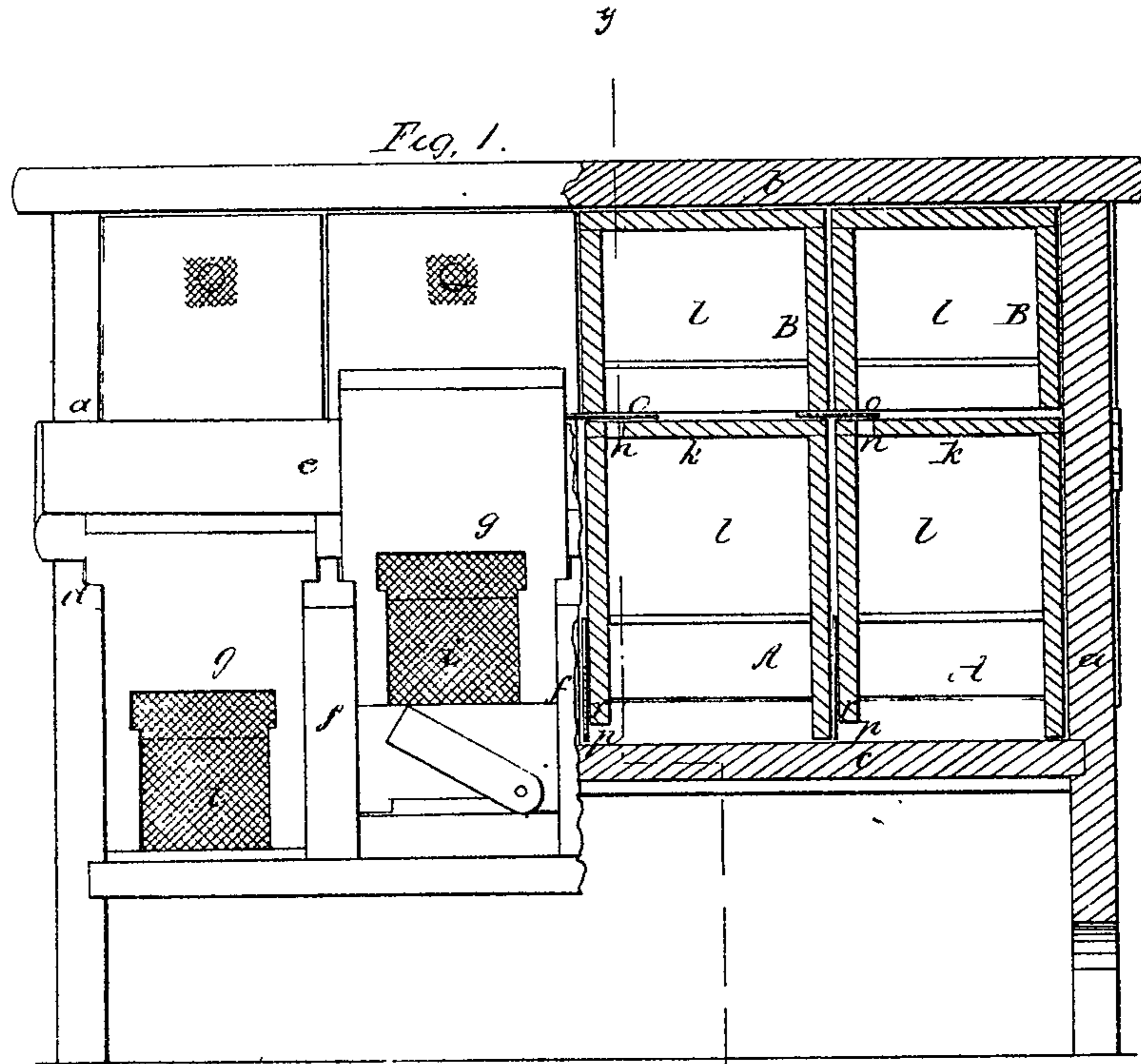


W. Harden.

Bee Hive.

No. 44,305.

Patented Sept. 20, 1864.



Witnesses,  
J. H. Combs  
G. W. Reed

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Atty

# UNITED STATES PATENT OFFICE.

WILLIAM HARDEN, OF CHARITON, IOWA.

## IMPROVEMENT IN BEE-HIVES.

Specification forming part of Letters Patent No. 44,305, dated September 20, 1864.

*To all whom it may concern:*

Be it known that I, WILLIAM HARDEN, of Chariton, in the county of Lucas and State of Iowa, have invented a new and Improved Bee House or Bee-Palace; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front sectional view of my invention taken in the line *x x*, Fig. 2. Fig. 2 is a transverse vertical section of the same taken in the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to a new and improved bee-house or bee palace, and is designed to prevent the swarming of bees, and also to protect them from the moth, as well as to afford facilities for feeding the bees and removing the spare honey from the house or palace.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

The bee house or bee palace is composed of two vertical sides, *a a*, provided with a flat or horizontal top, *b*, and an inclined bottom, *c*, the latter being some distance above the lower ends of the sides *a a*, which rest upon the ground or flooring. The front edges of the sides *a a* have an inclined off set, *d*, to which a board or cover, *e*, is attached to form a space or compartment in front, which is divided into spaces by partitions *f*, between the front parts of which vertical slides *g* are fitted, having openings *h* in their lower parts, which are covered with wire cloth *i*. The back of this bee-house or bee palace is provided with doors *j* for the convenience of putting in and taking out the hives *A*. These hives are equal in width to the spaces between the partitions *f*. They are open at their bottoms, and their front ends are deeper than those at their rear, in order that they may conform to the inclination of the bottom *c* and have their tops *k* in a horizontal position. (See Fig. 2.) The hives *A* do not extend into the front compartments or spaces formed by the partitions *f*, and upon each hive there is placed a spare honey-box, *B*, and they may be placed in the house or re-

moved therefrom above the inclined board or cover *e*. Each hive, as well as its spare honey-box, is provided at its rear end with a glass, *l*, and with a ventilating-opening, *m*, in its front end. In the top *k* of each hive *A* there is made an oblong opening, *n*, by which the bees have access to the spare honey boxes, and these openings *n* may be closed, when necessary or desired, by means of slides *o*. Openings *p* are also made in the sides of the hives *A* at their lower ends to afford a communication between the several hives, and these openings may also be closed by slides *r*, when desired. The hives have also a bee entrance, *s*, in the lower ends of their fronts.

From the above description it will be seen that at evening, when the slides *g* are down or closed, that the bees may be fully provided with air and still be perfectly protected from the moth, whose visits are nocturnal, and it will also be seen that the bees may be fed by placing their food in the compartments or spaces between the partitions *f* and closing the slides *g* and be perfectly protected from robbers.

The bee entrances *s* are each provided with a door, *u*, and I design to have about four hives in each house or palace and have them occupied consecutively, whereby swarming will be prevented.

The whole arrangement is simple, and may be constructed at a small cost.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A bee house or bee-palace provided with a series of compartments in front having slides *g*, in which openings *h* are made, covered with wire-cloth, in connection with a series of hives, *A*, placed together or fitted within the house or palace, as shown, and provided with spare-honey boxes *B*, the front ends of which are above the board or cover *e* of the compartments, and are fully exposed for their ready removal from and insertion within the house or palace, substantially as herein set forth.

WILLIAM HARDEN.

Witnesses:

ROBERT McCORMICK,  
E. K. GIBBON.