

J. E. Finley.

Bee Hive.

No 89,644.

Patented May 4, 1869.

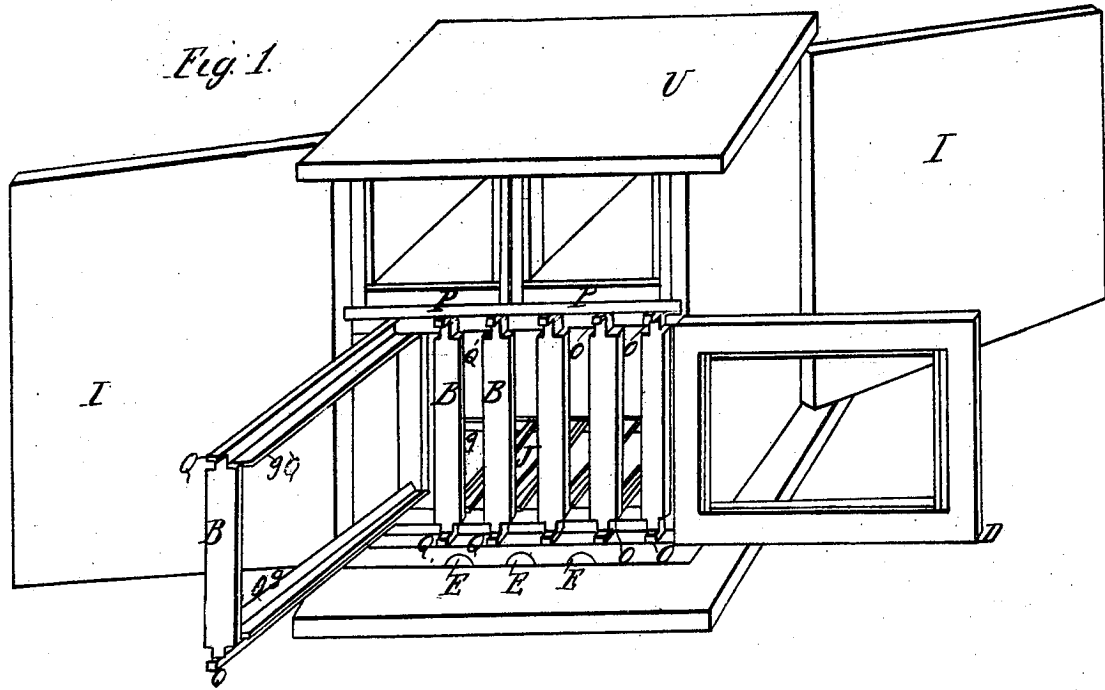
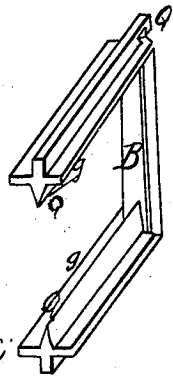
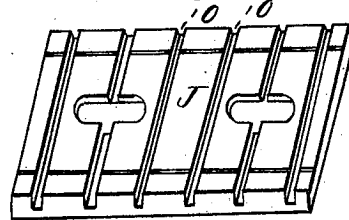


Fig. 2.



Witnesses,
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Fig. 3.



Inventor,
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United States Patent Office.

JOHN E. FINLEY, OF MEMPHIS, TENNESSEE.

Letters Patent No. 89,644, dated May 4, 1869.

IMPROVEMENT IN BEE-HIVES.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, JOHN E. FINLEY, of Memphis, county of Shelby, and State of Tennessee, have invented a new and useful Improvement in Bee-Hives; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the hive, showing the position of the removable comb-frames, B B B, with the front doors, I and D, thrown open. It also shows the outside door, I, in the rear of the hive thrown open; also, the position of one of the removable comb-frames B partially drawn.

Figure 2 is a view of a section of removable comb-frame B.

Figure 3 is a view of honey-board and bottom-board. U, hive.

P P, honey-boxes.

O O O O, grooves in the honey-board and bottom of the hive, J J.

B B B, removable comb-frames.

Q Q Q Q, projections of frames B B B.

g g, sharpened flanges.

F F F, entrances.

I I, outside doors.

D, inside door.

J J, honey-board and bottom of the hive.

I construct my hive in a square or oblong shape, the main section of which I supply with removable comb-frames B B B, and grooved bottom and honey-boards J J, with their grooves O O O O, made in such a manner as to fit neatly the top of the frames B B B, and allow them to be wholly or partially removed at pleasure.

To my hive I have attached four doors, two outside doors, I I, and two inside doors, as shown in D.

The object of these doors is to allow the full working of the hive to be seen, by simply opening the outside door, and to allow the removal of the frames B B B at will, when the inside door D can be opened.

To this hive I have two honey-boxes, P P, which can be removed without disturbing the main section of the hive.

I make my removable comb-frames with four flanges,

extending from the bottom and top piece, as seen in fig. 2, with the inside flanges sharpened, as shown in g g, and with projecting ends, Q Q Q Q, while the top and bottom flanges are made to fit neatly the grooves in the bottom and honey-boards J J, and leave a small space between the cross-flanges and the boards J J, for the purpose of preventing the bees from fastening the frames B B B to the boards J J.

The projections Q Q are made to rest against the inside frames of the door, as shown in D, when the doors are closed, and the projection will allow the bees to pass from one part of the hive to the other, at will, and will prevent the bees from fastening the comb-frames B B B to the inside doors.

The bees enter the hive through the entrances, as shown in E E E.

The object of my invention is to form a bee-hive in such a manner as to give the apiarian the full and complete control of every comb in the hive, without removing the honey-boxes or honey-board, or breaking loose the removable comb-frames, when sealed fast to the honey-boxes or honey-board.

My invention consists in the novel construction of movable comb-frames, viz, in making the same with four flanges, described and claimed; also, in the combination with sliding frames, of any proper construction, of a grooved floor and grooved honey-board, constructed as described; and, lastly, in combining with the elements just named, the bee-hive casing, constructed as described.

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

1. The removable comb-frames B B B, with the top and bottom bars, made with four flanges each, as described, and for the purpose specified, with their projecting ends Q Q.

2. The combination, with sliding-frames, of the grooved bottom and grooved honey-board, as described.

3. In combination with the elements above claimed, the bee-hive casing, constructed as described.

JOHN E. FINLEY.

Witnesses:

PERRY FINLEY,
JAS. A. CAMERON.