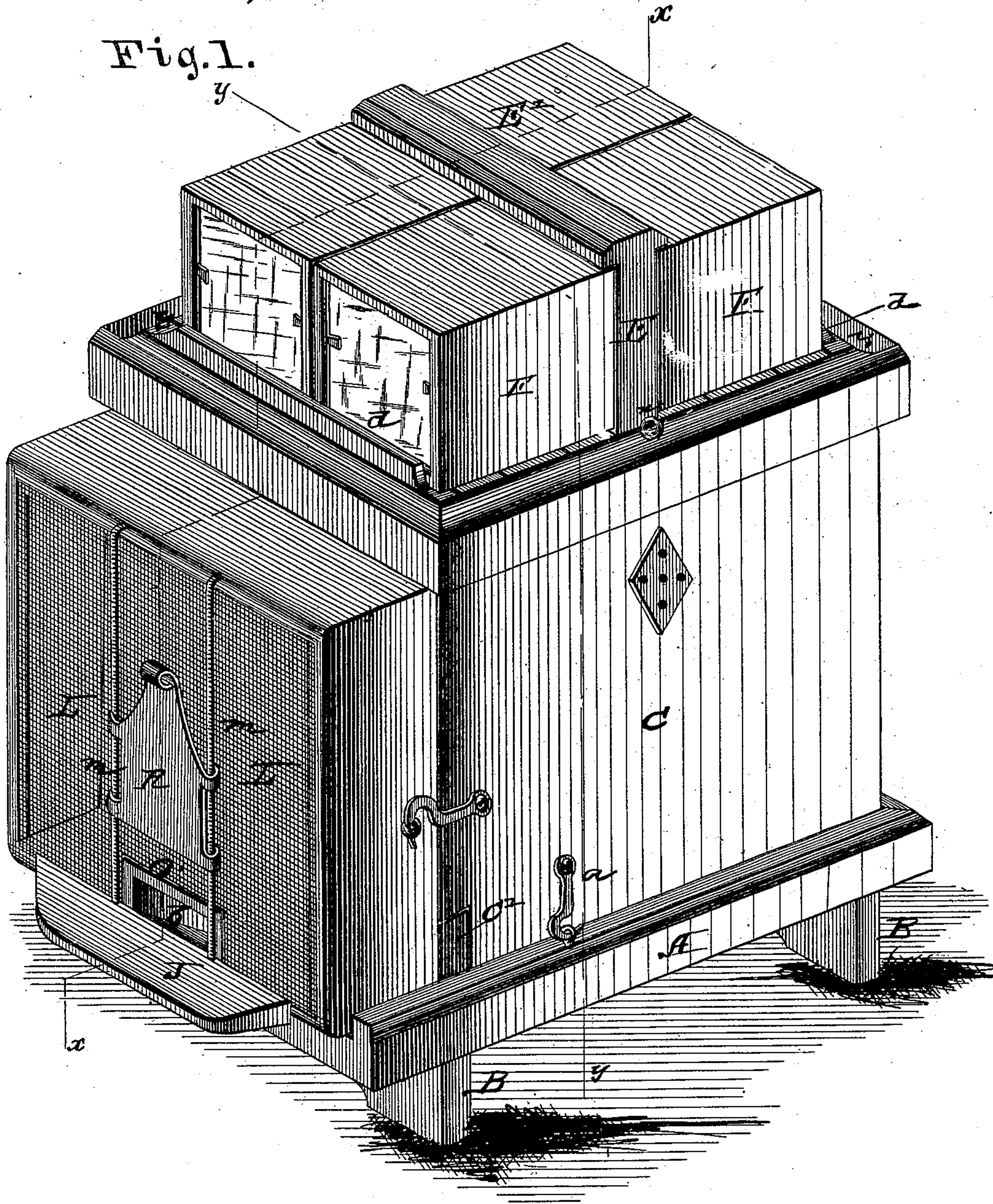


J. K. P. VENABLE.  
Bee-Hive.

No. 204,696.

Patented June 11, 1878.

Fig. 1.



Witnesses:

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Fig. 3.

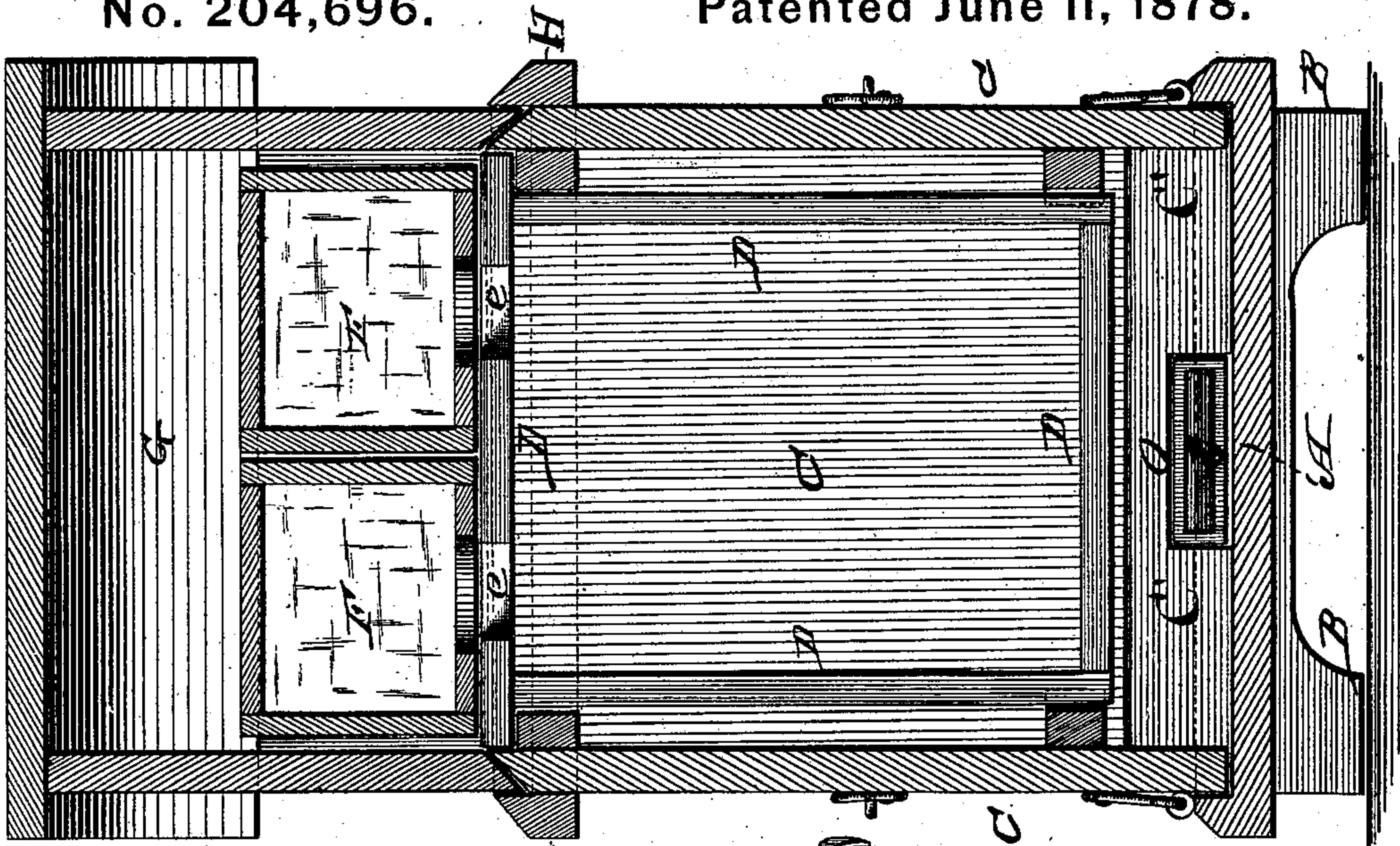
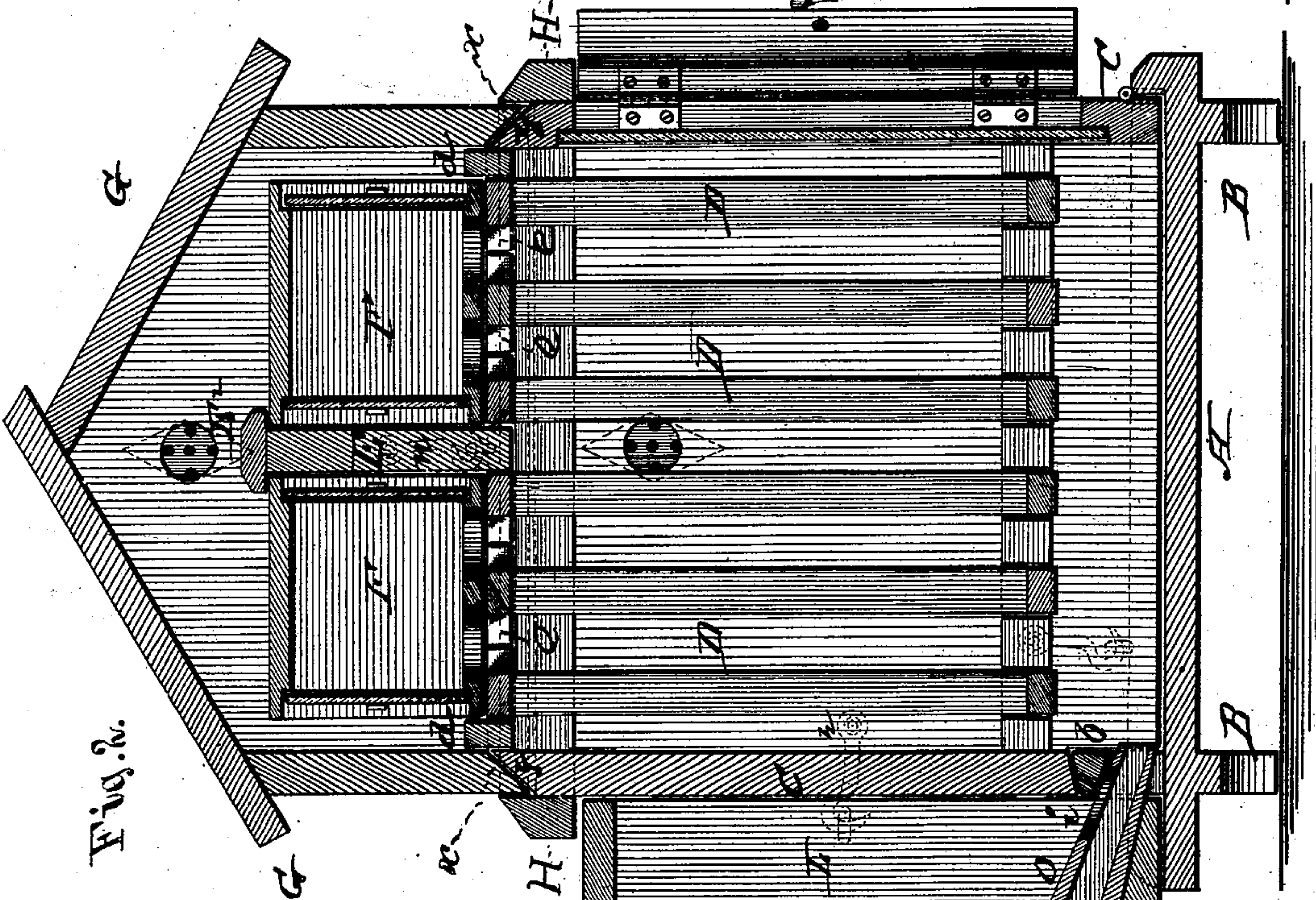


Fig. 2.



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# UNITED STATES PATENT OFFICE.

JAMES K. P. VENABLE, OF SHELBY COUNTY, KENTUCKY.

## IMPROVEMENT IN BEE-HIVES.

Specification forming part of Letters Patent No. **204,696**, dated June 11, 1878; application filed April 15, 1878.

*To all whom it may concern:*

Be it known that I, JAMES K. P. VENABLE, of the county of Shelby and State of Kentucky, have invented certain new and useful Improvements in Bee-Hives; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a bee-hive, and in a moth-trap for bee-hives, as will be hereinafter more fully set forth.

In the annexed drawings, which fully illustrate my invention, and to which reference is made, Figure 1 is a perspective view of my bee-hive with moth-trap attached. Figs. 2 and 3 are vertical sections of the hive.

A represents the base of the bee-hive, supported upon suitable feet B B. At the rear edge of the base A is hinged the body C, which is held by means of hooks *a*, as shown, and at the front side at the bottom is a removable bar, C', with opening *b*, forming the bee-entrance. This bar C' can easily be removed for cleaning out the hive, when desired.

At the top of the body C, on two opposite sides, are interior cleats *d d*, for supporting the comb-frames D D, said frames having openings *e* in the top bars for the passage of the bees upward to the honey-boxes F F on top. These boxes are arranged in two pairs, as shown, with a division, E, between them, which division has a cap-piece, E', on top fitting over the edges of the boxes to hold them down firmly on the comb-frames.

G is the cap of the hive, which is formed with beveled edges *x x* at the bottom fitting over corresponding beveled edges *y y* at the top of the body C, and a rim, H, fastened around the outside of the body to hold the cap in place.

In the moth season I provide the front of the hive with a moth-trap consisting of a frame, L, which is fastened to the body C by

hooks *h h*, and the front of said frame covered by wire-cloth I. The bottom of the frame L is provided with an alighting-board, J, as shown.

In the wire-cloth I is made a suitable opening with a chute or conductor, O, leading through the bee-entrance *b* into the hive. In the top of this conductor is an opening, *i*, through which the miller, when entering the conductor, will pass instead of continuing into the hive, as he will be attracted by the light in the trap.

On the front of the moth-trap are two vertical rods, *m m*, upon which slides a gate, R, to close the entrance to the conductor O, when desired.

This device forms a simple and cheap and yet effective means for preventing the entrance of moths into the hive.

The cap G of the hive above described has its roof inclining front and rear, and projecting sufficiently far beyond the front and rear that water will not run down inside of the rim H at the joint *x y*.

The cap is connected to the hive-body by hooks *n*. Suitable ventilators are provided both in the hive and cap, as shown.

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

1. In combination with a bee-hive, the moth-trap consisting of the frame L with wire-cloth I, conductor O with opening *i*, the rods *m*, and sliding gate R, all substantially as and for the purposes herein set forth.

2. The frame L with wire-cloth I, conductor O with openings *i*, in combination with body C, having opening *b* and bottom A, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JAMES K. P. <sup>his</sup> X VENABLE.  
mark.

Witnesses:

W. N. PATTESON,  
JOHN DUVAL.