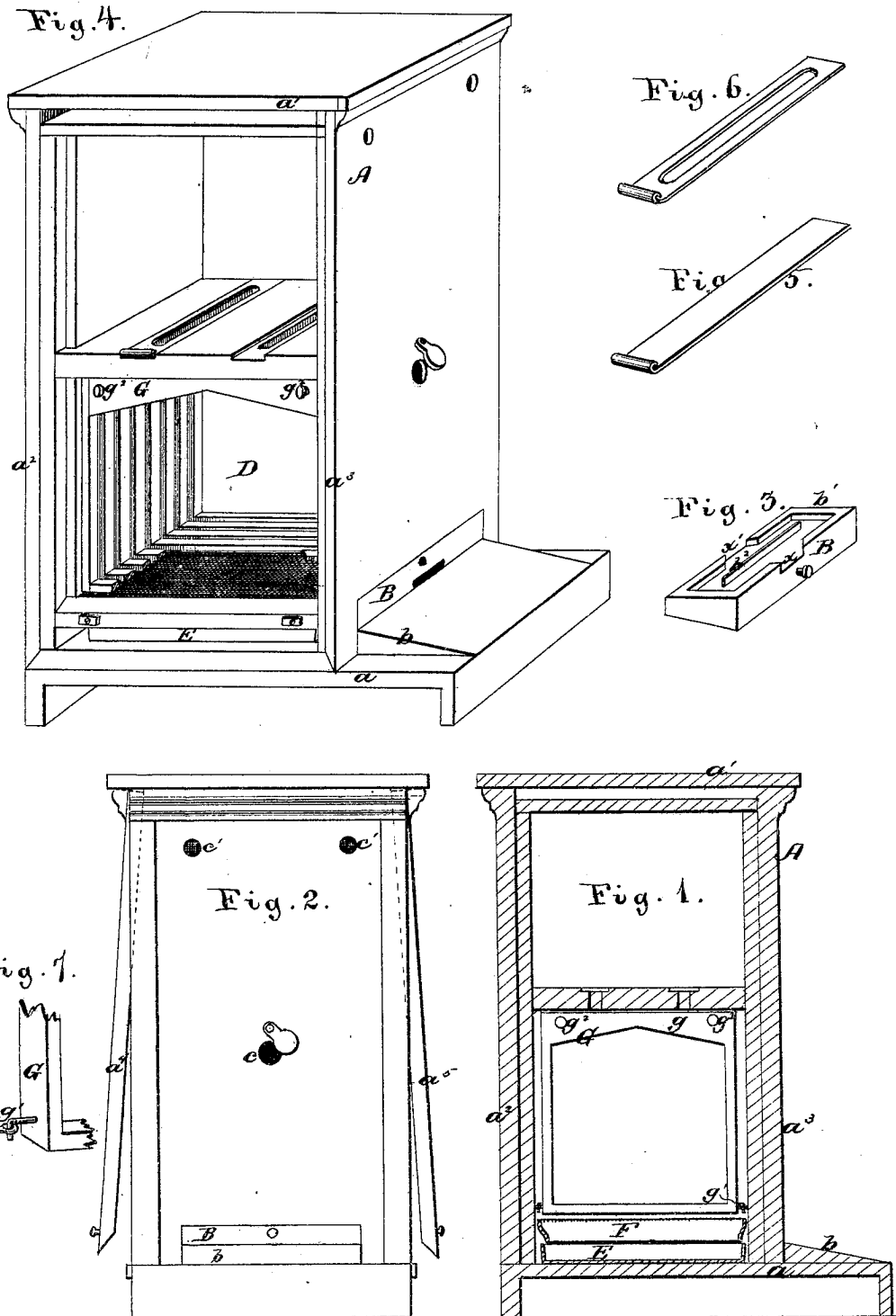


E. S. ARMSTRONG.

Improvement in Bee Hives.

No. 121,837.

Patented Dec. 12, 1871.



Witnesses.
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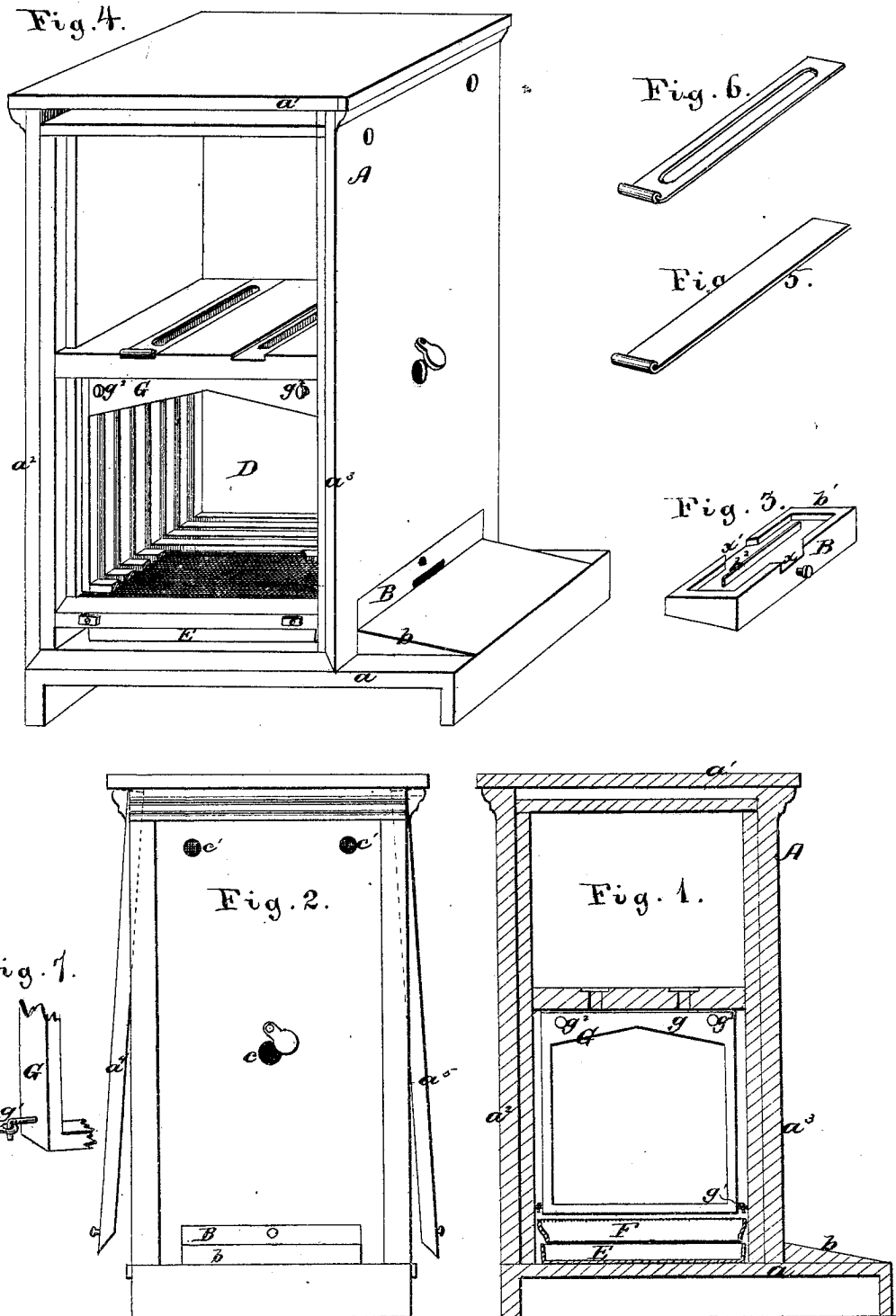
Inventor.
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Honey-boxes having openings corresponding with the slot in the division-board are placed in the chambers.

By means of this construction described many marked advantages are obtained. By means of the removable entrance-block B a large opening or a small one is obtained, as may be desired. When the block is employed, the entrance to the hive is made circuitous, by which means strange bees are effectually prevented from entering the hive, while no impediment is offered to those belonging to it. By means of the wire-screen all dirt and filth accumulating in the hive are permitted to fall into the drawer, in which they are easily removed. The meshes of the screen are sufficiently large to permit a moth to fall through them, and, having once passed through, its return by crawling up the sides of the hive is effectually prevented by the turned edges of the drawer and by the diaphragm F. The sides of the hive are easily removed, and yet, from their peculiar construction when in place, they effectually exclude the extremes of heat and cold. The comb-frames are readily removed and replaced, when desired. From their peculiar construction they are separated the proper distance apart, and it is rendered practically impossible to injure the bees while moving them. The bees ordinarily

have ready access to the upper chamber; but when it is desired to remove the honey-boxes the slotted slide is withdrawn and a blank slide substituted in its place. The object of employing a slotted slide is as follows: The bees in passing from one compartment to the other deposit a gummy substance, termed glue, about the aperture, the accumulation of which would prevent the insertion of a slide; but by the employment of the slotted slide, which remains in place, this glue may be cut away at any time by its withdrawal, by which means room is left for the insertion of its substitute.

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

1. The diaphragm F, constructed as described, in combination with the wire-screen, as and for the purpose set forth.

2. The entrance-block B, provided with a central rib and circuitous passages, as described, for the purpose set forth.

This specification signed and witnessed this 26th day of August, 1871.

ELVIN S. ARMSTRONG.

Witnesses:

JAMES A. LOCKE,
M. C. STANLEY.

(9)