

J. L. Smith,

Bee Hive.

No. 107,732.

Patented Sept. 27, 1870.

Fig. 1.

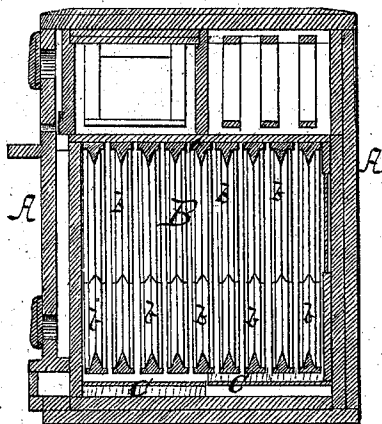
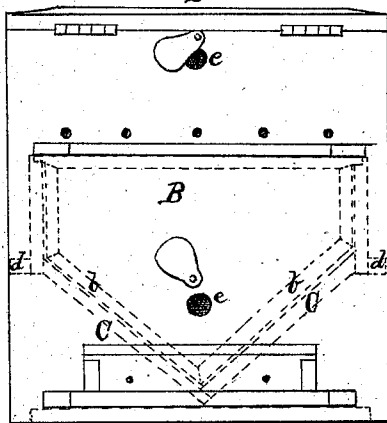


Fig. 2.



Fig. 3.



Witnesses:

Geo. W. Pinson

S. J. Hayes

Inventor

J. L. Smith by

H. W. Beadle atty.

United States Patent Office.

JONATHAN L. SMITH, OF LIBERTY CENTRE, OHIO.

Letters Patent No. 107,732, dated September 27, 1870.

IMPROVEMENT IN BEE-HIVES.

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

To all whom it may concern:

Be it known that I, JONATHAN L. SMITH, of Liberty Centre, in the county of Henry and State of Ohio, have invented new and useful Improvements in Bee-Hive; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention relates to certain improvements in bee-hives, the details of which are hereinafter particularly described and specified.

In the drawing—

Figure 1 represents a sectional view of the hive, taken through from front to rear;

Figure 2, a transverse section, through the queen nursery; and

Figure 3, a front elevation.

The general construction of my improved hive is not dissimilar to many now in use.

In the main box A A, which I have shown as provided with a door opening at the rear, is an interior receptacle, B, provided with the honey-frame *b b*.

The floor of this interior box is provided with the inclined sides C C, having passages into the triangular-shaped spaces below, by which inclined bottoms and openings any refuse matter may be easily removed by the bees, or roll down of its own weight.

The honey-frames are suspended from the upper part of the box, and are of shape adapted to that of the box itself.

Above the receptacle C is another box, suitably separated from the lower by the perforated passage. It is divided by a longitudinal partition into two compartments, in one of which I have suspended frames similar in construction to those below. The other half of the box is divided by transverse partitions into several small spaces for the queen nurseries, which

partitions are so constructed and arranged that they may be removed after the breeding season is over, and the space supplied with honey-frames.

It is evident that as much of the upper box as may be deemed necessary may be used for the purpose of breeding in the season of it, and afterward supplied with honey-frames.

As the hive is provided with a hinged cover, the upper box is accessible from above. The rear is provided with an interior door, and the lower box opens from behind, so that the lower box can be opened, and frames removed or supplied without disturbing the upper, or *vice versa*.

The inner boxes are made sufficiently smaller than the outer to leave all around an air-space, the box being supported against the sides by the flanges *d d*, and, as the lower part is inclined to the center, and the box rests on the edge, it is wholly surrounded by an air-space, and thus the temperature kept uniform.

The front is provided with openings *e e*, for ventilation, covered by buttons, and also with ledges and entrances, as clearly shown.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The described hive, having inner lower box, with inclined perforated floor, lower spaces, and surrounding air-spaces, and rear door, and with the convertible boxes above, hinged cover, and honey-frames, the whole being constructed and arranged as set forth.

This specification signed and witnessed this 19th day of May, 1870.

JONATHAN L. SMITH.

Witnesses:

GEORGE V. LAMB,
A. T. SHAW.