

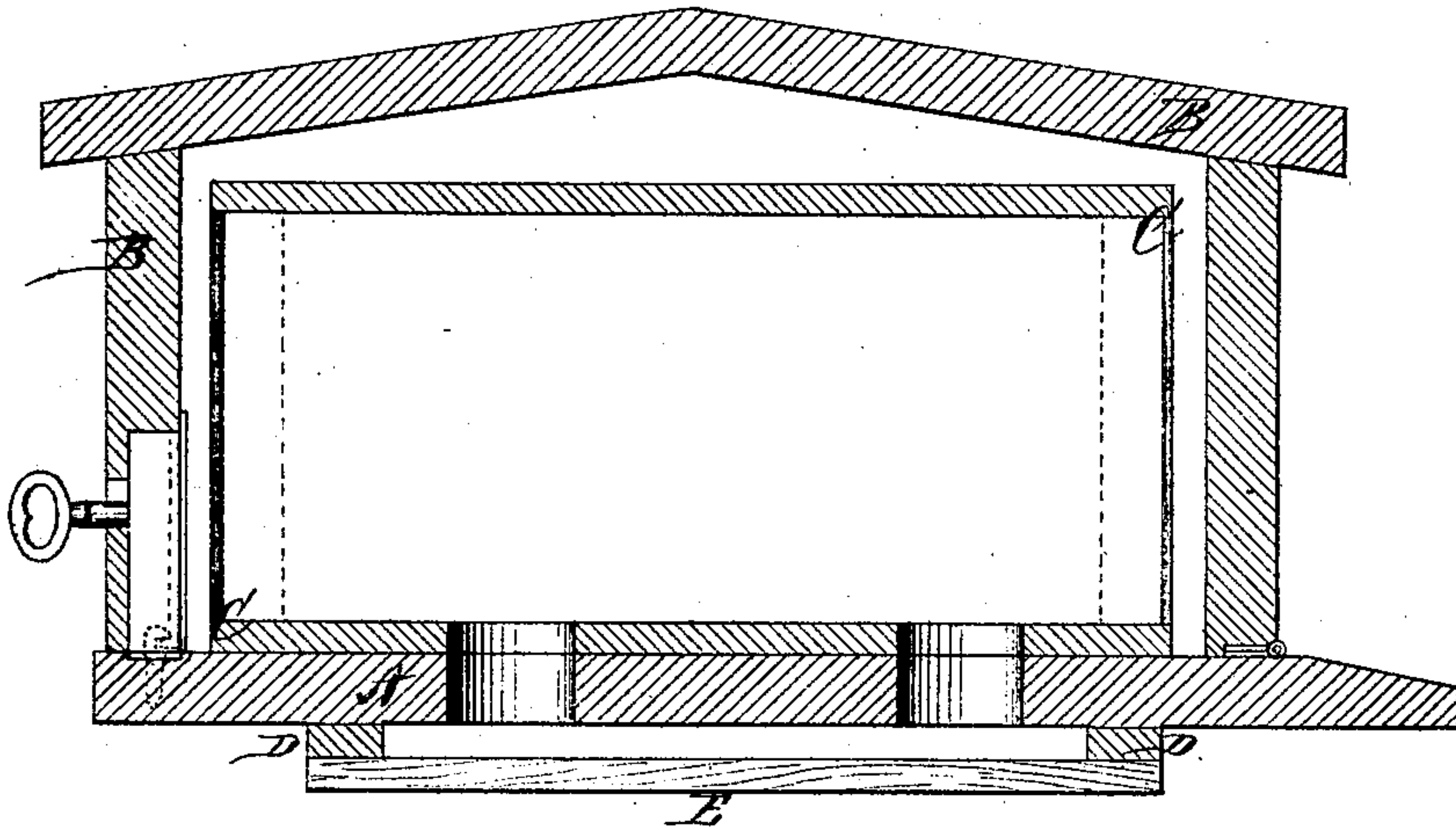
*R. Arnold,*

*Bee Hive.*

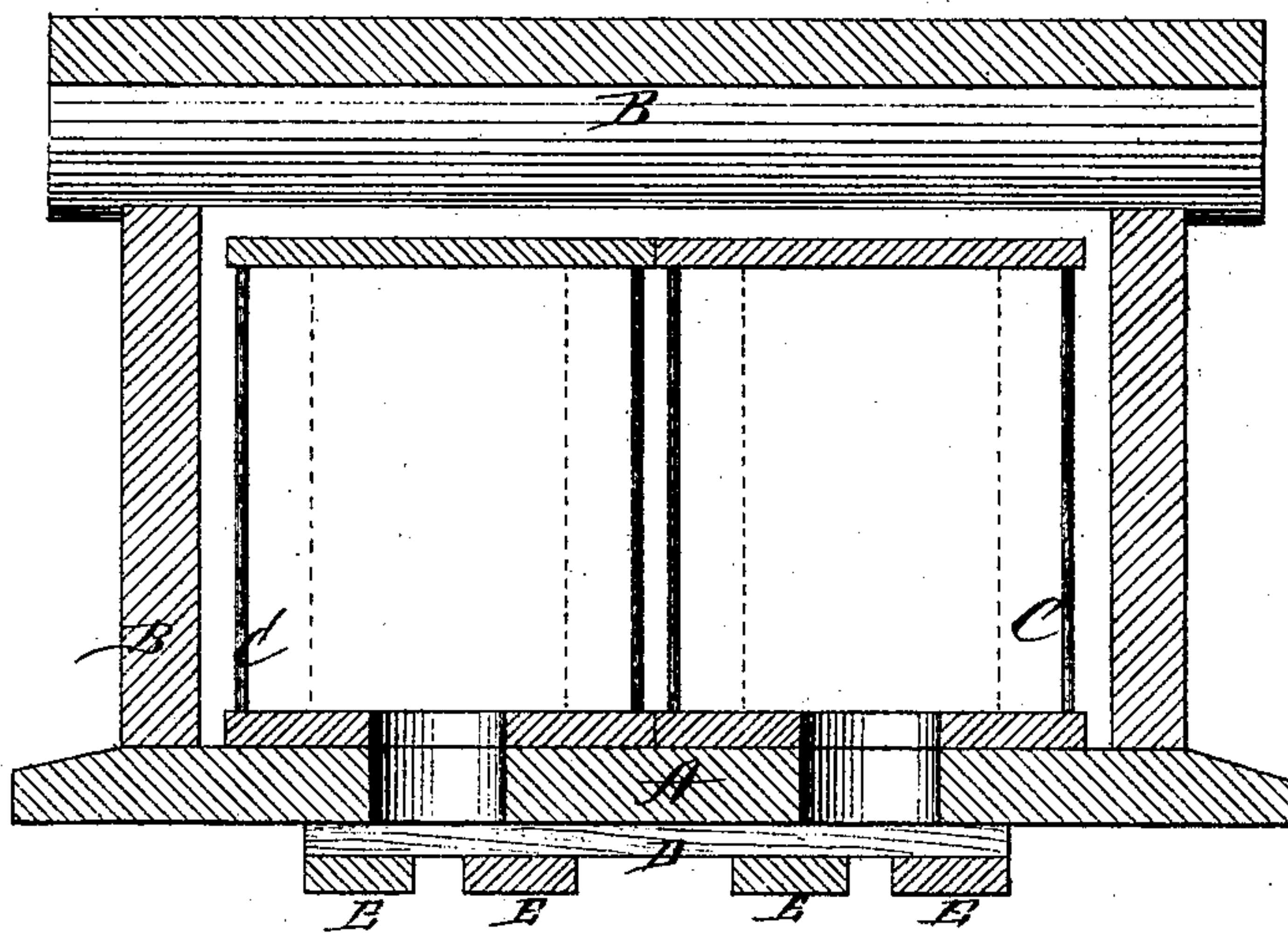
*No. 110,332.*

*Patented Dec. 20, 1870.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*  
*Ed. Stuart.*  
*W. M. Harr.*

*Inventor*  
*Roberson Arnold*  
*per Alexander Mason*  
*Attor.*

# United States Patent Office.

ROBERSON ARNOLD, OF SUFFOLK, VIRGINIA.

Letters Patent No. 110,332, dated December 20, 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, ROBERSON ARNOLD, of Suffolk, in the county of Nansemond and in the State of Virginia, have invented certain new and useful Improvements in Bee-Hives; and do hereby declare that the following is a full, clear, and exact description thereof, references being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of an "adjustable bee-hive head," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a longitudinal vertical section; and

Figure 2 is a transverse vertical section.

A represents the bottom or base of my bee-hive head, provided with a cap, B, hinged to the bottom at one side, and secured by lock and key at the other.

In the head thus formed are placed honey-boxes, C C, all four sides of which are made of or provided with glass, and in their bottoms are holes or openings cor-

responding with similar holes or openings in the bottom or base A.

On the under side of the bottom A are secured two cleats, D D, across which are nailed slats, E E. These slats are so arranged as to cover the openings in the bottom A, with a small space between them, as shown in fig. 2, thereby preventing the bees from waxing up said openings.

The complete head thus constructed can be placed on top of any bee-hive, and when the boxes are full of honey it can be removed and another put in its place, or the hive covered with any lid.

Having thus fully described my invention,

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

As a new article of manufacture, a bee-hive head, composed of the bottom A, cap B, boxes C C, and slats E E, all constructed and arranged substantially as shown and described, and for the purposes set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 24th day of August, 1870.

Witnesses:

ROBERSON ARNOLD.

A. N. MARR,

J. E. HUTCHINSON.