

S. HIXSON.

Bee-Hive.

No. 167,247.

Patented Aug. 31, 1875.

Fig. 1.

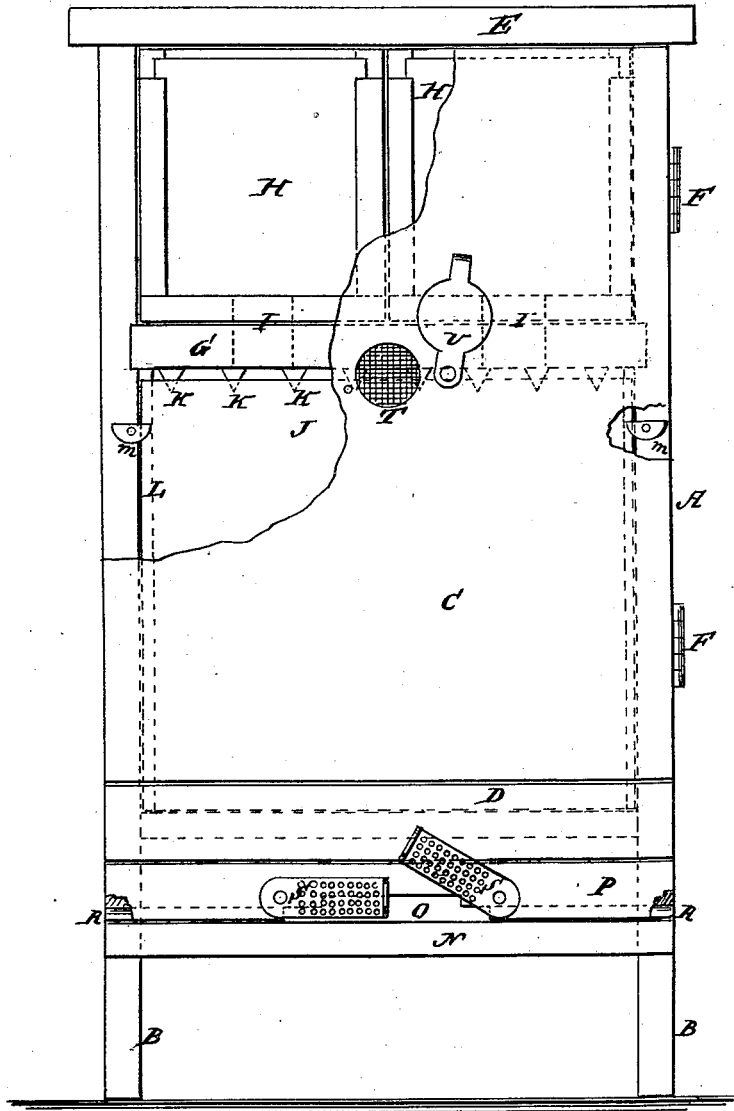


Fig. 2.



WITNESSES:

*E. Wolff*  
*A. J. Terry*

INVENTOR:

*S. Hixson*

BY

*Wm. H. [Signature]*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

SAMUEL HIXSON, OF WEST NEWTON, PENNSYLVANIA.

## IMPROVEMENT IN BEE-HIVES.

Specification forming part of Letters Patent No. **167,247**, dated August 31, 1875; application filed May 8, 1875.

*To all whom it may concern:*

Be it known that I, SAMUEL HIXSON, of West Newton, in the county of Westmoreland and State of Pennsylvania, have invented a new and useful Improvement in Bee-Hives, of which the following is a specification:

This invention relates to the construction of bee-hives, having reference to the kind known as "box-hives;" and consists in the construction and arrangement of a moth-trap in connection with the bee-entrance. It also consists in the general construction of the hive and arrangement of parts.

In the accompanying drawing, Figure 1 is a front elevation of the hive, with a part of the door broken away to show the construction. Fig. 2 is a view of the moth-trap detached.

Similar letters of reference indicate corresponding parts.

A is the hive, of any desired form and size, elevated on legs B. C is a door, which extends from the cross-rail D to the cap E, hinged at one side, as seen at F F. G is a horizontal partition. H H are honey-boxes, resting on the partition G. The bottoms of the boxes and the partition are perforated, as seen at I I in dotted lines, to allow the bees to pass from the compartment J to the boxes. K represents comb-guides on the under side of the partition. L is a glass plate in front of the compartment J, which is fastened by the buttons *m m*, through which the operations of the bees may be inspected. The front ends of the honey-boxes H H are also glass, and when the door C is opened the bees in the boxes may be inspected at the same time, as

the door covers the glass plate L. By opening the door C the whole interior of the hive is exposed to view. N is the lighting-shelf, which projects from the bottom of the hive. O is the bee-entrance on the under side of the removable moth-trap P. This moth-trap is grooved on its under edge, the groove being indicated by dotted lines at the right and left of the bee-entrance.

The entrance of the moth-miller is resisted by the bees, and she is driven to taken refuge in one of the grooves, where she lays her eggs, and escapes from the open end of the groove (or at R.) The worms that hatch from the eggs are easily kept from the bee-entrance, and go the other way to gain an entrance to the hive, and, reaching the ends of the grooves R, they drop off and fall to the ground. S S are perforated shutters, by which the bee-entrance may be closed at any time. T is a perforated ventilator, which may be closed by the shutter U.

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

1. In combination with a bee-hive, the grooved moth-trap P and the bee-entrance O, as described.

2. The combination of bottom-perforated honey-boxes H H, perforated sliding partition G, and compartment D with the door C, arranged substantially as and for the purpose specified.

SAMUEL HIXSON.

Witnesses:

GEORGE W. SAMPRELL,  
ALBERT A. HUTCHINSON.