

J. A. Douglass,

Bee Hive.

No. 108984.

Patented Nov. 8. 1870.

Fig. 1.

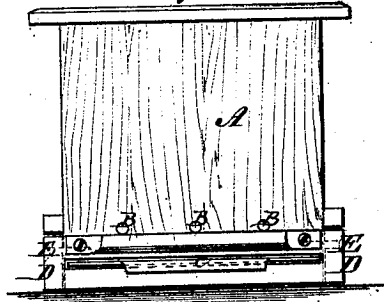


Fig. 2.

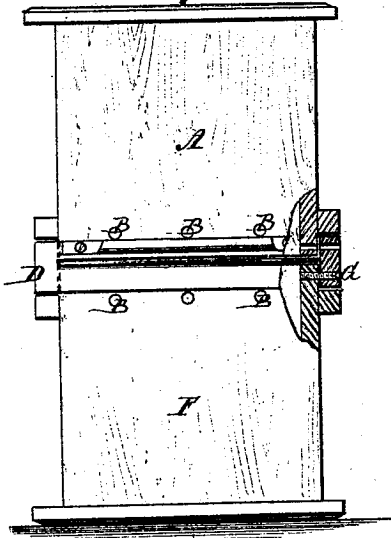
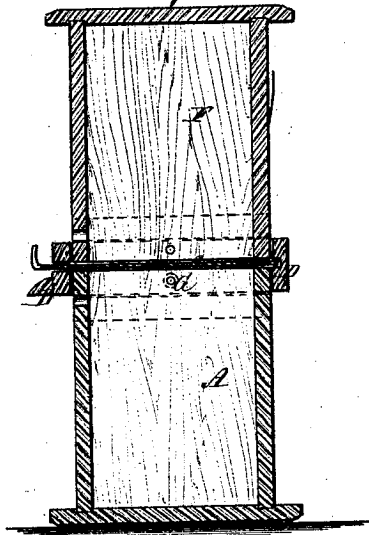


Fig. 3.



Witnesses:

S. S. Mabee
Geo. W. Mabee

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United States Patent Office.

JAMES A. DOUGLASS, OF ALTOONA, PENNSYLVANIA.

Letters Patent No. 108,984, dated November 8, 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, JAMES A. DOUGLASS, of Altoona, in the county of Blair and State of Pennsylvania, have invented a new and useful Improvement 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 make and use the same, reference being had to the accompanying drawing forming part of this specification.

The purpose of my invention is to take advantage of a well-known and peculiar habit of the honey-bees, and thereby transfer them without injury, and with little trouble to the owner, to another hive. The habit to which I allude is that of always working from the top of the hive downward.

The means which I employ to accomplish this purpose are two bottomless hives, placed base to base, and having a sliding removable partition between them. The upper one being filled to the extent required, the whole is reversed and the slide removed. The bees, finding the vacant chamber above, will at once transfer their labors to the top of the new upper box; when the slide can be replaced and the lower box detached.

Figure 1 is a front view of one detached box; Figure 2, a side view of the two boxes together; and

Figure 3, a section of the same.

A and F are two boxes, each open at one end, and having adjacent thereto, the usual apertures for the income and outgo of the bees. These open ends are placed together, as seen in fig. 3.

C is the detachable slide which forms the temporary bottom of one and top of the other.

D is a band or base-board, which breaks the joint formed by the juxtaposition of the two hives, and is grooved, to receive the slide C.

Having thus described all that is necessary to a full understanding of my invention,

What I esteem to be new, and desire to protect by Letters Patent, is—

The reversible and bottomless hives A F, combined with a detachable slide C, as and for the purpose described.

JAMES A. DOUGLASS.

Witnesses:

JOHN HICKEY,
J. A. CONRAD.