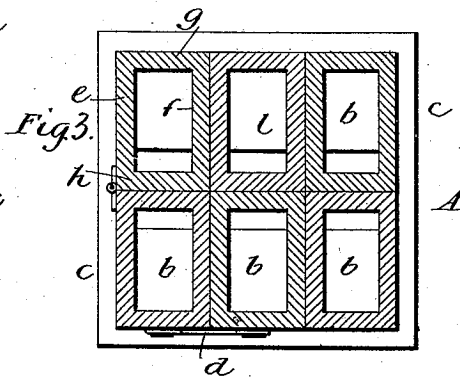
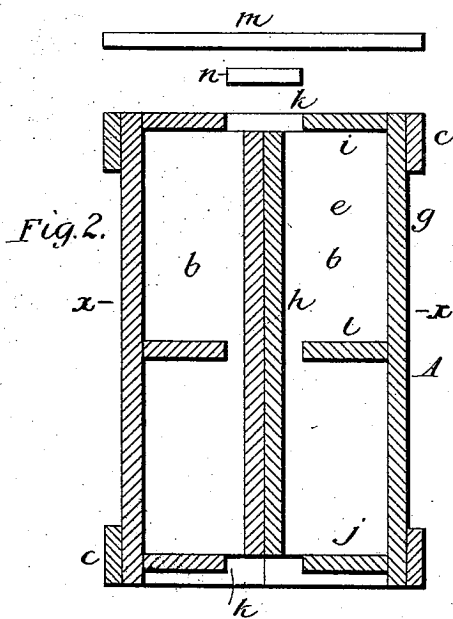
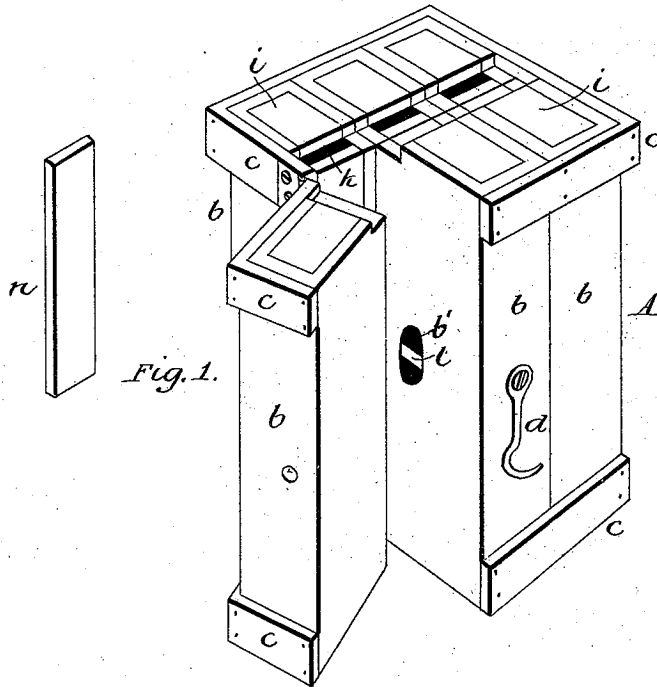


(No Model.)

W. A. HAWTHORNE.
SUPER FOR BEE HIVES.

No. 464,360.

Patented Dec. 1, 1891.



Witnesses:
W. A. Norton
M. B. Prudage

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UNITED STATES PATENT OFFICE.

WILLIAM ALEXANDER HAWTHORNE, OF CARSON CITY, NEVADA.

SUPER FOR BEE-HIVES.

SPECIFICATION forming part of Letters Patent No. 464,360, dated December 1, 1891.

Application filed March 12, 1891. Serial No. 384,703. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ALEXANDER HAWTHORNE, a citizen of the United States, residing at Carson City, in the county of Ormsby and State of Nevada, have invented certain new and useful Improvements in Supers for Bee-Hives; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to supers for bee-hives, and has for its object to provide a super which, by reason of its peculiar construction, will serve the purpose of transportation, thereby obviating the necessity of handling and packing the honey for the market.

To these ends my invention may be said to consist, generally, in a super formed of a set of boxes temporarily secured together and communicating each with the other, and serving not only as a means for storing the honey, but also as a compact package for transportation of the honey in its original state.

My invention can be better understood with reference to the accompanying drawings, in which—

Figure 1 illustrates in perspective view my improved super with the top or cover removed. Fig. 2 is a vertical central section of the same, and Fig. 3 a horizontal section.

A represents the super, which is constituted of a number of boxes or cells *b*, each of which is formed independent of the others, but temporarily secured together by means of strips *c* at the top and bottom thereof. These cells are adapted to contain a predetermined quantity of honey, and are provided with partitions *l* to divide the contents of each cell into two portions. A portion of the top and bottom of each cell is cut away, as at *k*, to permit an inspection of the contents of the super; but to facilitate such inspection I prefer to hinge one of the cells to the remainder, as shown, and to provide the next adjacent cell with an opening *b'*, which, when the hinged cell is swung out-

ward, exposes the honey and renders it accessible for examination as to its quality.

I have shown and described a super constructed with six boxes or cells; but in practice I usually employ twelve, as I find that this number makes a chamber of convenient size, although a more or less number can be employed, as desired. The cells are constructed with four side walls *e f g h*, and with a top *i* and bottom *j*, and, as already stated, the top and bottom are partially cut away. The cut-away portion forms a series of openings, which permit of a communication being established between the different cells, and gives the bees access to any part of the super. The bottom pieces *j* are located a slight distance above the lower ends of the walls to permit bee-space when the super is placed on the hive.

n is a strip, which is adapted to fit in the recess formed by the cut-away portions of the top pieces during transportation.

m is the cover, which is adapted to be removably secured to the top of the super.

d is a hook for securing the hinged cell in place.

The super is adapted to be placed above and rest on any flat-top hive, and when filled serves as a ready means for transportation.

By reason of the passages the bees have free access to and from each and every cell, thereby making the bees take readily to the super.

If desired, I may employ a series of supers placed one above the other in one; two, or three tiers, so as to keep the largest swarm busy through the honey season and prevent loss by leakage.

I claim—

1. A super for bee-hives, consisting of a series of boxes or cells, each of which is constituted of four walls *e f g h*, top *i*, and a bottom partly cut away at *k*, whereby communication between the cells is established, and strips *c c* for temporarily securing these cells together, substantially as and for the purposes set forth.

2. In a super for bee-hives, the combination of a series of communicating boxes, each

of which is constituted of the four walls *ef*
g h and a top *i* and a bottom, both partly
cut away at *k*, one of these boxes being hinged
to the series, strips *c c* for temporarily se-
5 curing these boxes together, and strips *n*,
adapted to fit in the cut-away portions, as
described, and for the purpose set forth.

In testimony whereof I affix my signature in
presence of two witnesses.

WILLIAM ALEXANDER HAWTHORNE.

Witnesses:

M. D. NOTEWARE,
C. H. GALUSHA.