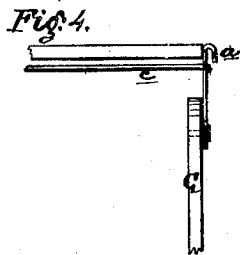
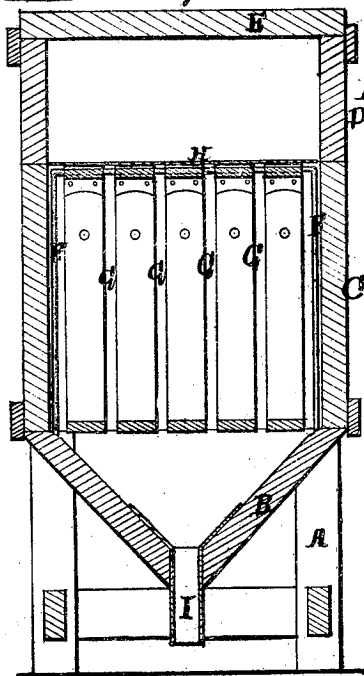
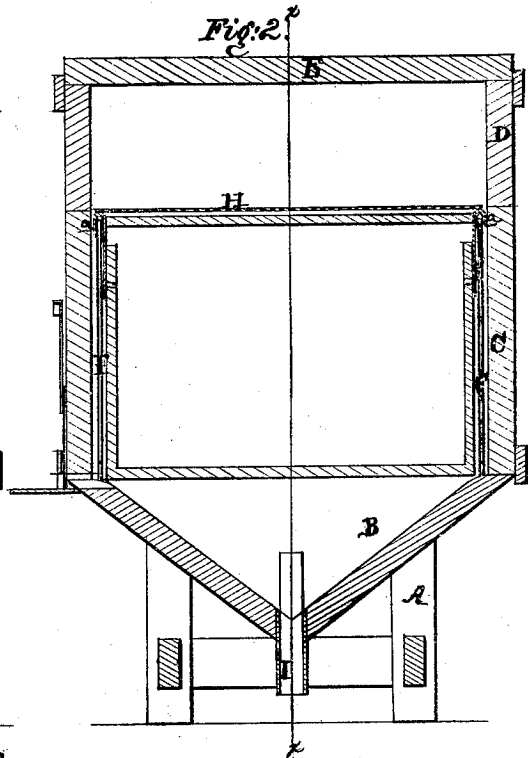
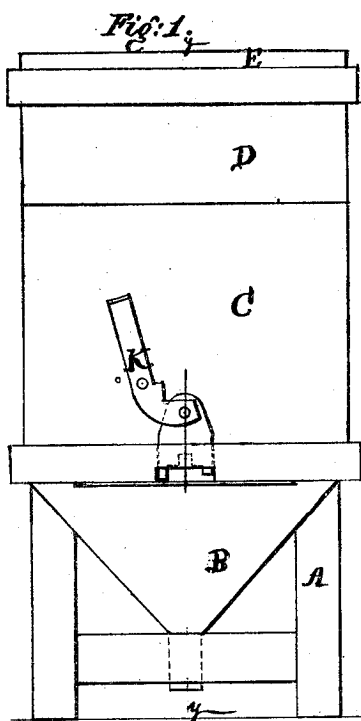


T. S. Engledow,

Bee Hive.

No. 86,063.

Patented Jan. 12, 1869.



Witnesses
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United States Patent Office.

T. S. ENGLEADOW, OF CEDAR FALLS, IOWA.

Letters Patent No. 86,063, dated January 19, 1869.

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, T. S. ENGLEADOW, of Cedar Falls, in the county of Black Hawk, and State of Iowa, have invented a new and valuable Improvement in Bee-Hives; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is a representation of a front view of my bee-hive;

Figures 2 and 3 are representations of sectional views; and

Figure 4 is a detail.

The object of my invention is to provide a more perfect hive for bees than has heretofore been invented; and

It consists especially in providing means for transporting honey-comb from one hive to another, and adjusting it safely and securely in its appropriate place.

Also, in providing against robbers, moths, and the like, in a novel and efficient manner.

Also, in furnishing means for more perfect ventilation than has heretofore been known or used.

The letter A, of the drawings, represents the frame of my bee-hive.

The letter B is a hollow inverted pyramid, usually quadrangular in form, adjusted on the frame, as shown.

The letter C is a square box, with side and end-pieces only, placed on the top of the pyramid B, as represented; and

Letter D is the cover of the hive, resting on the top of box C, the lid of which, marked E, rests in hollow grooves.

The box C, cover D, and lid E, are respectively removable at will.

The letters F represent wire frames, adjusted in the pyramid, as shown, and which serve not only as supports to the box C, but also as a rest or bearing for the pendent comb-holders, hereinafter mentioned.

These comb-holders are marked G on the drawings. They are severally connected with the cross-bar portions of frames F, by means of the hooks a, to which

hooks they are pivoted, as shown on the drawings, figs. 3 and 4.

The letter H is a perforated plate, designed to serve as a floor for ventilation on the top of the comb-holders in hot weather, but which is to be removed whenever the cover D or other honey-box or boxes may be placed over said comb-holders.

The letter I is a tube, extending downward from the bottom of the cone. This tube furnishes a waste-way for rubbish, dead bees, and the like, while, at the same time, it affords no ready means of access for moths or robbers.

The letter K is a pivoted thumb-piece, adjusted over and above the opening for the bees, the construction of which is shown on fig. 1, and it is operated by the bee-tender in such manner as to enlarge or decrease the opening at will.

Whenever the swarm is attacked by robbers, this opening may be made so small that only one bee at a time can find ingress. This arrangement will enable a small swarm to defend themselves against a large one, when attacked.

The letter c is a rod passing through openings in the extended part of hook a, which is used for transporting comb from one hive to another, and hanging it in the comb-holder. This is effected by passing the rod through the comb lengthwise, and then passing each end of the rod into the openings in the hooks above mentioned.

It will be observed that the hooks a are pivoted to the comb-holders: This is done to enable me to turn the lower end of the holders sidewise, and thereby aid in removing the honey unbroken from the top thereof, or from the rods c.

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

A bee-hive, constructed with parts A, B, C, and D, and having pivoted pendants G, perforated plate H, rods c, hooks a, tube I, and thumb-piece K, constructed, arranged, and operating, substantially as specified.

Witnesses:

T. S. ENGLEADOW.

D. H. GLEASON,
ROBT. N. MORRIS.