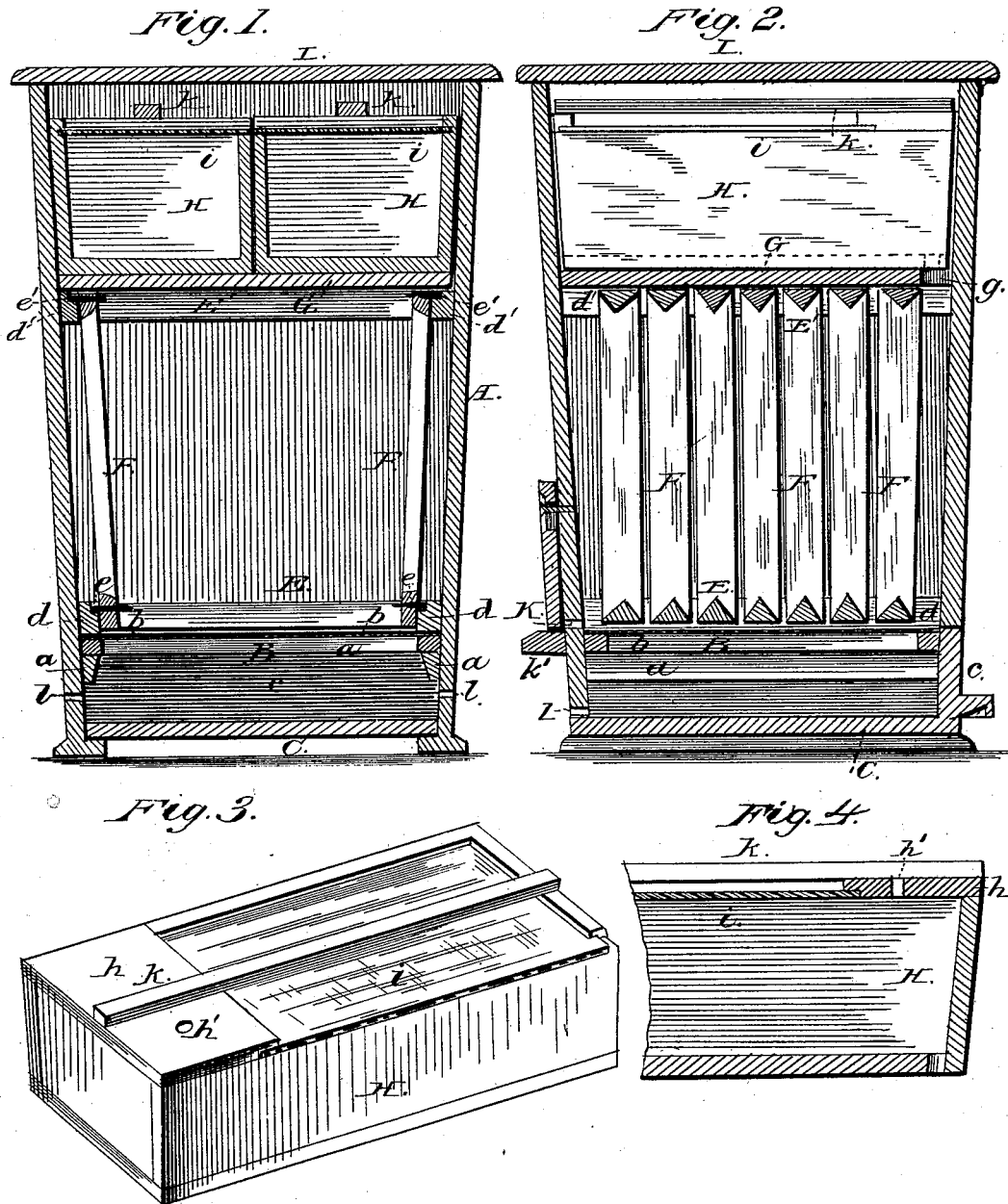


C. H. CONNOLLY.
Honey Box for Bee-Hive.

No. 221,284.

Patented Nov. 4, 1879.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES H. CONNOLLY, OF HENRIETTA, TEXAS.

IMPROVEMENT IN HONEY-BOXES FOR BEE-HIVES.

Specification forming part of Letters Patent No. **221,284**, dated November 4, 1879; application filed June 16, 1879.

To all whom it may concern:

Be it known that I, CHARLES H. CONNOLLY, of Henrietta, in the county of Clay and State of Texas, have invented certain new and useful Improvements in Bee-Hives; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a vertical section of my improved bee-hive. Fig. 2 is a similar section taken at right angles to Fig. 1. Fig. 3 is a perspective view of one of the honey-boxes detached from the hive, and Fig. 4 is a cross-section of the same.

Similar letters of reference indicate corresponding parts in all the figures.

This invention has relation to the honey-boxes of bee-hives; and it consists in the improvement hereinafter fully described, and particularly pointed out in the claim.

In the drawings, A is the body or box of a hive, the walls or sides of which are, in the present illustration of my improvement, placed slantingly or inclined downward, so as to make the hive wider at the top than at the bottom.

A short distance above the bottom are two flanges, *a a*, which support a removable frame, B, within which is suspended the wire-cloth bottom *b*. Below this and in the bottom of the hive is a sliding board, C, provided with a raised flange, *c*, at one end, which will fit into an open space in the lower part of the rear wall of the hive, formed by making that wall or side so much shorter than the others.

Just above the false bottom *b*, on opposite sides of the hive, are notched slats *d d*, the notches of which receive the lower pins, *e*, of the comb-frames E F, to be hereinafter described; and parallel to and a suitable distance above the slats *d d* are corresponding slats *d' d'*, the notches of which receive the upper attachment-pins of the comb-frames. Each of these consists of an upper and a lower cross-piece, E' E, triangular in cross-section, as seen

in Fig. 2, and united by inclined side pieces, F F, as seen in Fig. 1, the upper and lower ends of which are secured to the cross-pieces E' E, respectively, by projecting pins *e' e*, which will, when the comb-frames are placed in position within the hive, fit into the notches of the side bars or slats, *d' d*, as already described.

Resting upon the upper side slats, *d' d'*, is the honey-board G, which supports the honey-boxes, two or more. (Denoted by the letter H.)

In order to give the bees admission into the honey-boxes, the board G is provided at one end with a slot or opening, *g*, and each of the honey-boxes has a corresponding slot or opening in the bottom, which is placed directly over the opening *g*.

The top of each of my improved honey-boxes consists of a stationary cover, *h*, provided with a small opening, *h'*, and a sliding glass cover, *i*.

To the middle of the upper side of each of the honey-boxes is secured a strip or bar, *k*, extending longitudinally the entire length of the box a short distance above the sliding cover, for the double purpose of serving as a handle by which the honey-box may readily be removed from and reinserted into the hive, and also serving as a protection to the glass cover *i*.

L is the hinged roof or cover of the hive, and K is the entrance for the bees, which is arranged in one of the walls or sides just above the false bottom B *b*, and provided with a fly-board, *l'*. Below this is a narrow slot, *l*, forming an entrance into the bottom part of the hive between the false bottom and slide C. Through this opening the bee-moth will enter the hive, but is prevented from ascending up among the comb-frames by the wire screen *b*.

The small opening *h'* in the stationary part *h* of the cover of the honey-boxes is for the purpose of introducing the sulphurous or other vapor into the honey-boxes when these are charged with honey. The bees will escape through the opposite opening in the bottom of the box, the vapor thus merely driving them out, but not destroying them.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in bee-hives, the honey-boxes *H H*, provided each with a stationary cover, *h*, having a perforation, *h'*, a transparent sliding cover, *i*, and a longitudinal bar, *k*, substantially as described, for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

CHARLES H. CONNOLLY.

Witnesses:

C. M. BURGESS,
VINCENT STINE.