

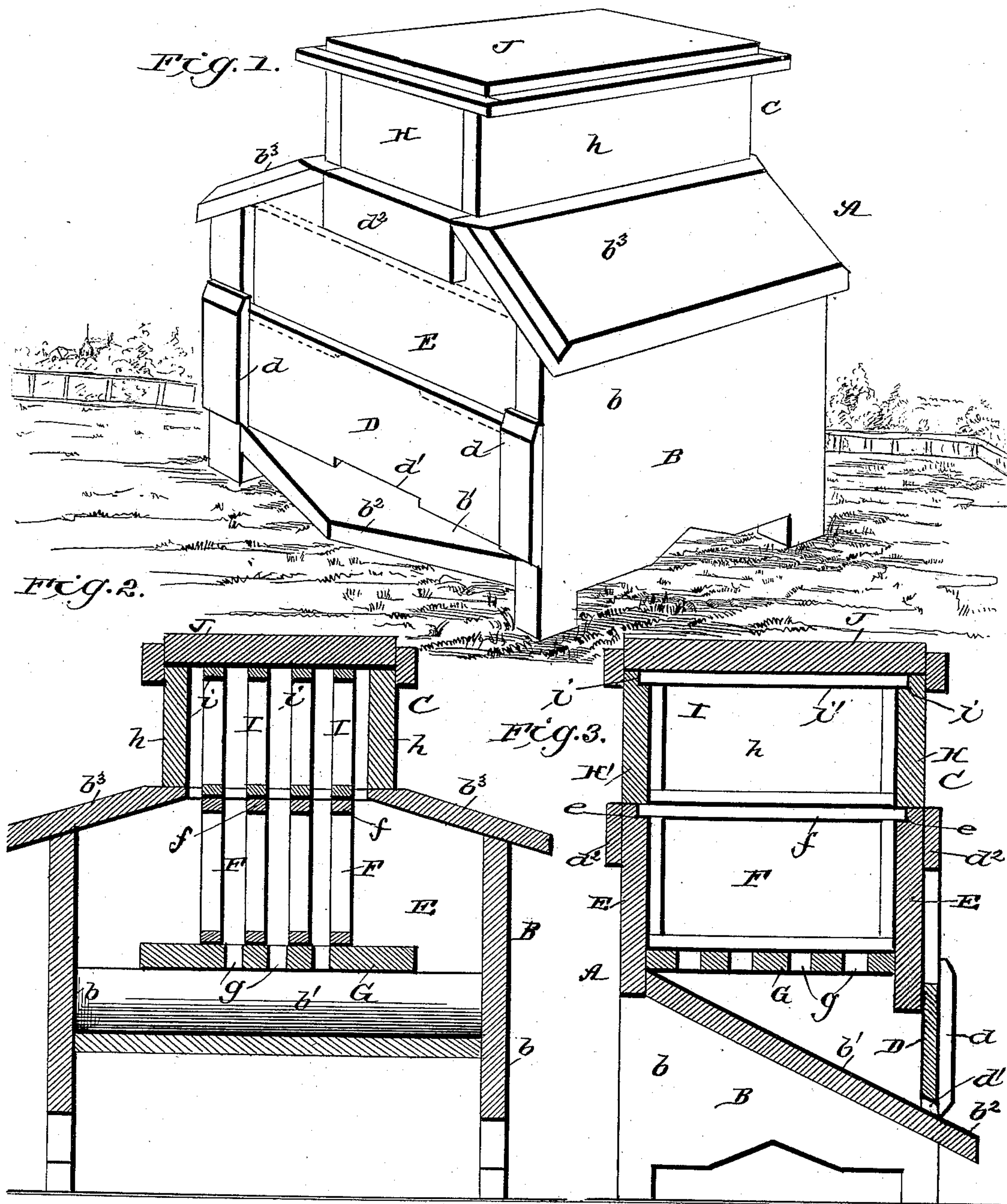
(No Model.)

I. C. DOYAL.

BEE HIVE.

No. 387,217.

Patented Aug. 7, 1888.



Witnesses.

J. H. Rogers

Inventor.

Ira C. Doyal

By his Attorneys

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UNITED STATES PATENT OFFICE.

IRA CALAWAY DOYAL, OF CHUMLEY, ALABAMA.

BEE-HIVE.

SPECIFICATION forming part of Letters Patent No. 387,217, dated August 7, 1888.

Application filed April 30, 1888. Serial No. 272,277. (No model.)

To all whom it may concern:

Be it known that I, IRA CALAWAY DOYAL, a citizen of the United States, residing at Chumley, in the county of De Kalb and State of Alabama, have invented new and useful Improvements in Bee-Hives, of which the following is a specification.

The invention relates to improvements in bee-hives; and it consists in the construction and novel combination of parts hereinafter described, illustrated in the accompanying drawings, and pointed out in the appended claims.

In the drawings, Figure 1 represents a perspective view of a bee-hive embodying the invention. Fig. 2 represents a central vertical longitudinal section of the same. Fig. 3 represents a vertical transverse section thereof.

Referring to the drawings by letter, A designates the frame of the hive, composed of the lower section, B, and the upper section, C. The lower section, B, is of general rectangular form, its feet being integral with its sides *b* and its bottom *b'* inclining downward from back to front. The bottom extends in a triangular projection, *b''*, in front of the frame, forming an inclined platform in front of the bee entrance. The sides of the section B extend beyond the front thereof, and to their edges in front are secured the short strips *d d'*, between which and the front of the section slides the gate D, having centrally in its lower edge the notch *d'*, which forms the bee-entrance when the gate rests on the platform *b'*. The top of the section B is open centrally from front to back, and its roof *b''* slopes downward therefrom on each side at equal angles and extends beyond the front of the section.

d'' d'' are blocks secured to the top of the front and back of the section between the opposite portions of the roof, forming therewith the seat for the upper section, C.

E E are boards secured to the inner surface of the front and back of the section B, which boards have cut in their upper edges that adjoin the lower surfaces of the roof-sections, and in the open space between said sections, the equidistant recesses *e e*, for the insertion of the projecting ends of the upper rails, *f f*, of the lower or brood frames, F.

G is a partition running from front to back below and touching the lower rails of the frames F. The said partition is provided with a series of perforations, *g*, between each two of said frames for the easy access of the bees

thereto, access to the outer sides of the end frames being had over the edges of the partition, which do not extend to the sides of the section B.

The front and back H H' of the upper section, C, rest upon the upper edges of the boards E, and the sides *h* of said section rest on the sections of the roof *b''*, which are made flat near their inner edges to give a more steady support to the upper section, C.

The upper edges of the front and back of section C are provided in their inner sides with the equidistant recesses *i*, for the insertion of the projecting ends of the top rails, *i'*, of the upper or honey frames, I, occupying the interior of the upper section, C.

J is a flanged cap covering the open top of the section C.

The perforated partition, while supporting and steadying the lower frames, serves to give the bees free access to the lower frames, and after raising the sliding gate the said perforated partition may be inspected.

Having described my invention, I claim—

1. In a bee-hive, the combination, with the brood-frames having the projections of the upper rails inserted in recesses in boards secured to the inner surfaces of the back and front walls of the lower or brood section, B, of the partial horizontal partition G, running from front to back in said section, touching and supporting the lower rails of each of said frames, and provided with the series of perforations *g* between each two of said frames, substantially as specified.

2. The herein-described bee-hive, comprising the lower section, B, the upper section, C, the inclined bottom forming a resting-place for the bees, which resting-place is in front of the hive and widest in front of the bee-entrance, the sliding gate D, having a notch in its lower side to form the bee-entrance, the partial partition G, running from front to back and provided with perforations arranged in series, and the frames F, with their lower rails resting on said partition between the series of perforations, substantially as specified.

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

IRA CALAWAY DOYAL.

Witnesses:

WARNER RICHMOND McNARON,
NOAH WELLS WARD.