

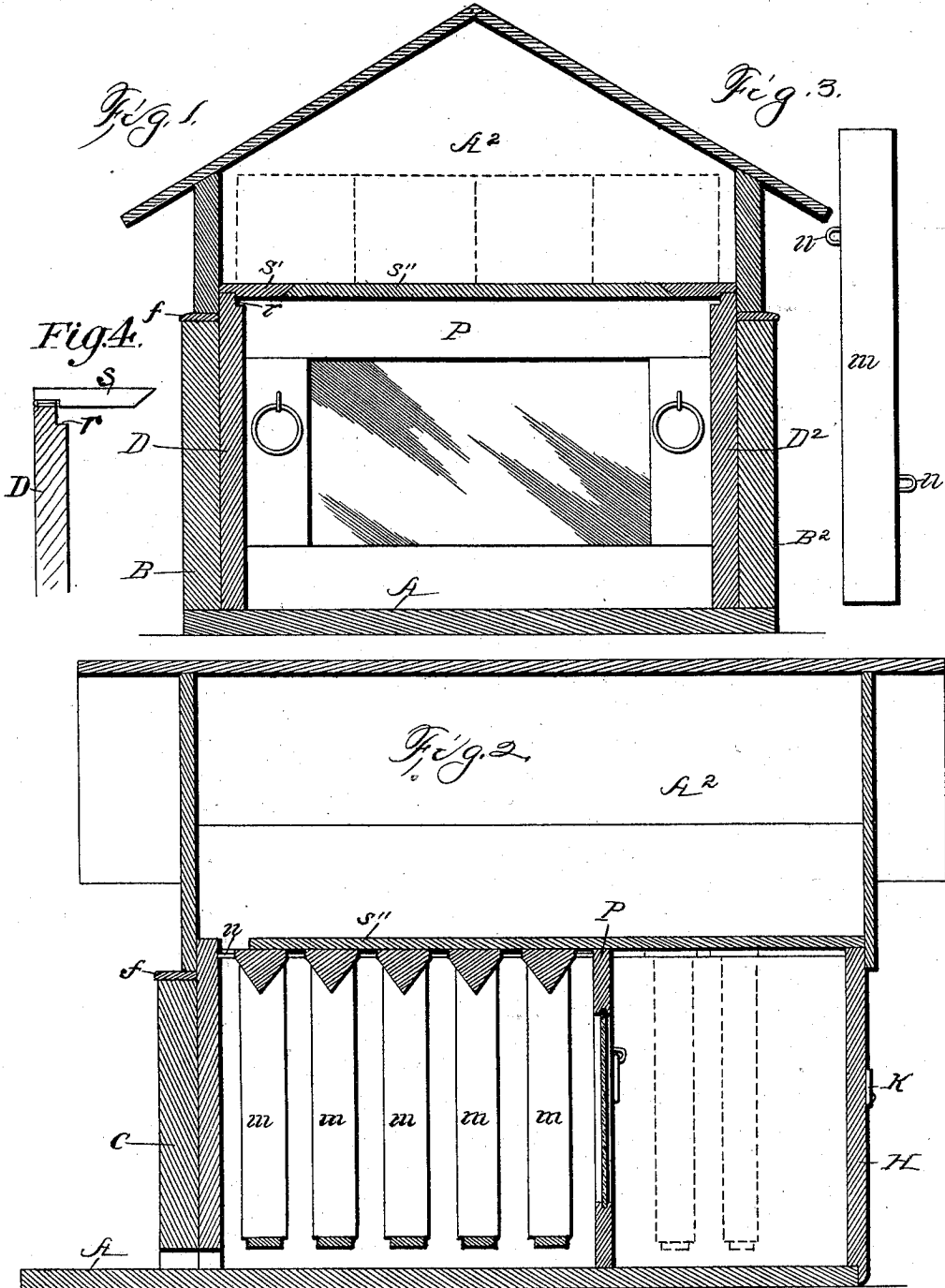
No. 608,943.

Patented Aug. 9, 1898.

J. F. WESSEL.
BEEHIVE.

(Application filed July 6, 1897.)

(No Model.)



Witnesses: } Inventor: John F. Wessel,
R. S. Orwig }
Jas. Barel. } By Thomas G. & S. Ralph Orwig, Attorneys.

UNITED STATES PATENT OFFICE.

JOHN F. WESSEL, OF KELLOGG, IOWA.

BEEHIVE.

SPECIFICATION forming part of Letters Patent No. 608,943, dated August 9, 1898.

Application filed July 6, 1897. Serial No. 643,658. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. WESSEL, a citizen of the United States, residing at Kellogg, in the county of Jasper and State of Iowa, have invented a new and useful Beehive, of which the following is a specification.

My object is to facilitate the handling and management of bees in a hive; and my invention consists in the arrangement and combination of parts, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a transverse sectional view showing the construction of the parallel side walls, the removable cover or top of the hive, the sectional honey-board, and the removable partition. Fig. 2 is a longitudinal vertical sectional view showing the positions of the adjustable and removable parts relative to each other and the permanently-fixed portions of the hive. Fig. 3 is a top view of one of the movable frames having fixed staples for preserving uniform open spaces between the frames. Fig. 4 is a detail view showing the manner in which sections of the honey-board are hinged to the tops of the parallel side walls of the hive.

The letter A designates the bottom, and B and B² the parallel side walls of the hive fixed to the bottom. C (shown in Fig. 2) is the front of the hive fixed to the bottom and parallel sides.

D and D² are inside walls fitted and fixed to the parallel sides B and B² and rabbeted at their inner top edges to allow the ends of the tops of the movable frames and projections at the top corners of the movable partition to rest and slide thereon. These inside parts of the walls project above the outer partitions, upon which outer portions are fixed beveled strips *f* to carry off water and aid in maintaining the complete walls dry.

H is the removable rear end wall. It is detachably fastened by means of turn-buttons K, pivoted to the ends of the parallel side walls. A series of movable frames *m* are supported upon the rabbeted top edges of the inner side walls D and D² and kept at regular distances apart by means of the staples *n*, fixed in their side edges and end portions, as shown in Fig. 3.

P is a movable partition consisting of a wooden frame, in which is fitted and fixed a glass, so that the main portion of the partition is transparent. Projections *r* at the top corners of the frames rest and slide upon the rabbeted top edges of the parallel inner side walls D and D², so that the partition can be readily adjusted relative to the number of movable frames *m* in the hive, and, as required, to make a small or large brood-chamber. Rings are attached to the wooden portion of the partition to facilitate moving it.

s and *s'* are sections of a honey-board hinged to the top edges of the parallel inner walls D and D² in such a manner that they can be turned inward, as shown in Fig. 1, and outward when the top A² of the hive is removed. The inner edges of the hinged sections are beveled and adapted to overlie a removable and sliding central section *s''* of the honey-board that has beveled edges at its sides, as required, in combination with the hinged sections, to close the top of the chamber that contains the movable frames *m*. This central section is shorter than the hinged sections, and consequently it can be placed in position, as shown in Fig. 2, so as to allow an opening at its front end for the passage of bees when it is desirable to let them into the chamber in the removable top A² of the hive to fill honey-boxes that may be placed on top of the honey-board, as indicated by dotted lines in Fig. 1. An opening at the front and bottom of the hive allows bees to go in and out.

Empty frames may be advantageously kept in the closed chamber outside of the partition P, as indicated by dotted lines in Fig. 2, when the brood-chamber on the other side of the partition is reduced in size to the advantage of a weak or small swarm of bees.

From the foregoing description and function of the different adjustable parts and the manner of operating them to facilitate the management of bees the utility and advantages of my invention will be readily understood by persons familiar with the art of bee-keeping.

I claim as my invention—

1. In a beehive, the parallel walls having rabbets at their inner top edges, movable comb-frames supported by rabbeted walls

and sections of a honey-board hinged to the
said walls and a movable honey-board sec-
tion fitted between the hinged sections, ar-
ranged and combined as and for the pur-
5 poses stated.

2. An improved beehive comprising two
parallel walls having rabbets at their top
edges, sections of a honey-board hinged to
the tops of said walls, a front wall having a
10 bee-passage, a movable rear wall, a movable

partition, movable frames, a removable sec-
tion of a honey-board fitted between the said
hinged sections and a removable top, ar-
ranged and combined as and for the purposes
stated.

JOHN F. WESSEL.

Witnesses:

E. C. OGG,

A. R. VAN GIESON.