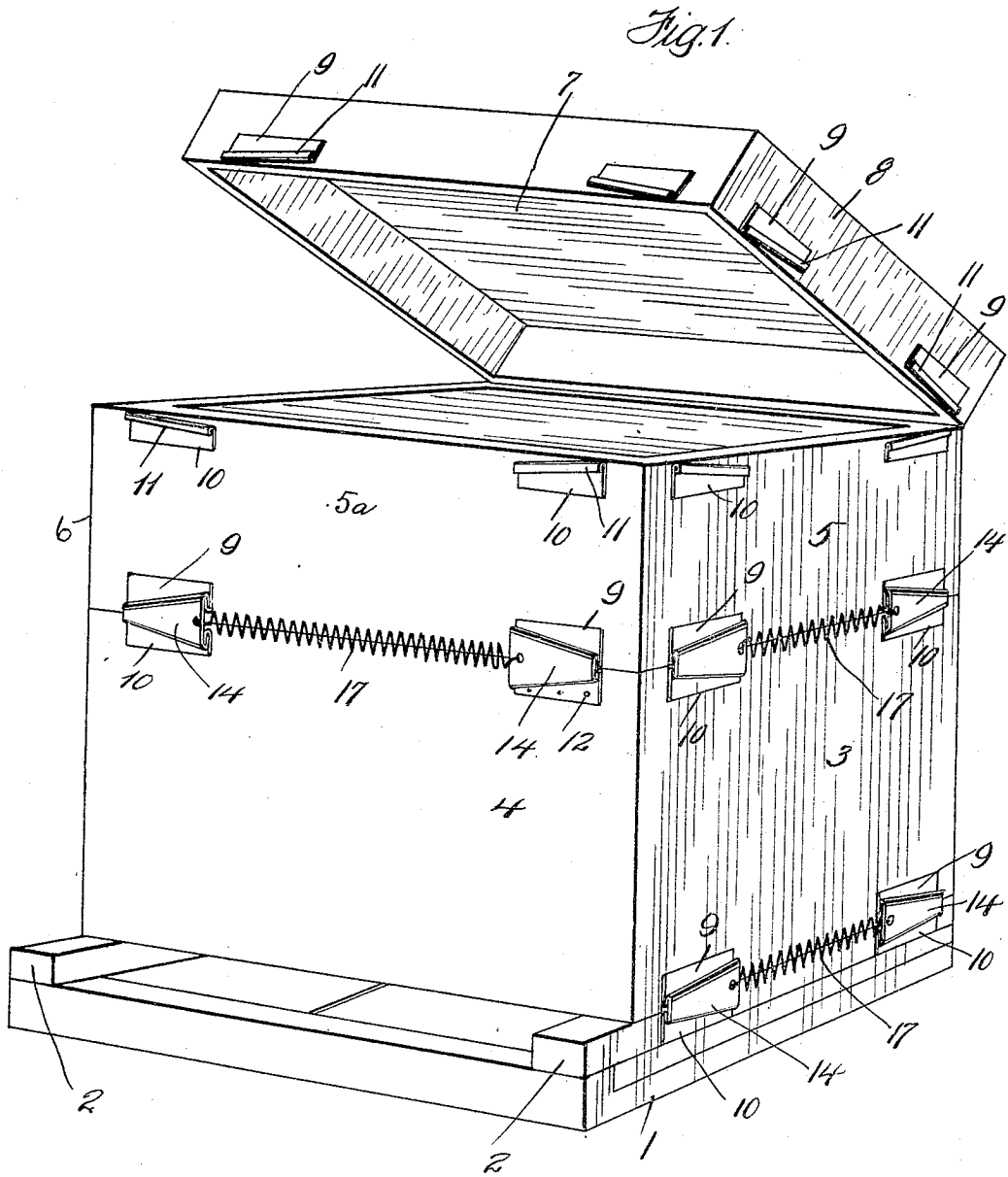


J. TOTH.
BEEHIVE.

APPLICATION FILED JULY 2, 1909.

945,642.

Patented Jan. 4, 1910.
2 SHEETS—SHEET 1.



Witnesses
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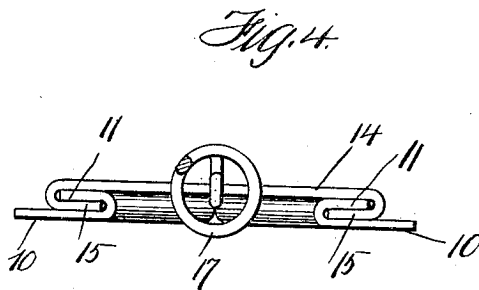
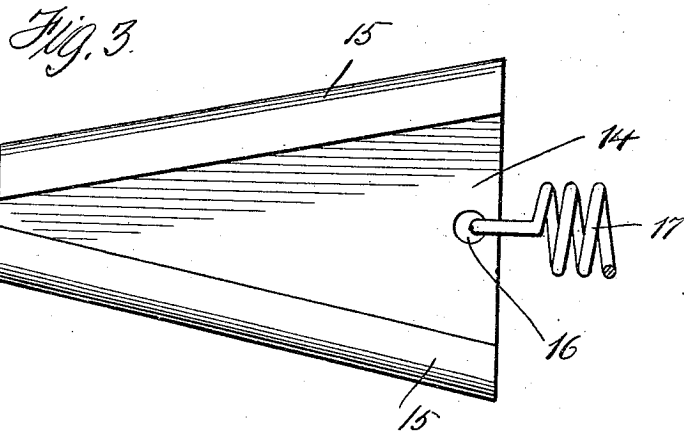
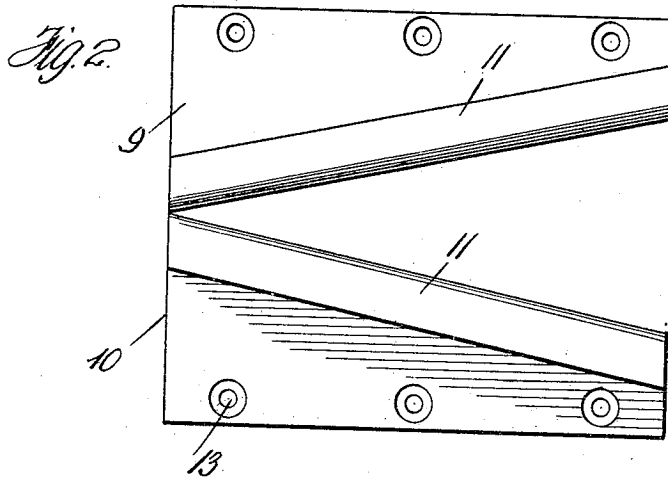
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UNITED STATES PATENT OFFICE.

JOHN TOTH, OF BARTONVILLE, ILLINOIS.

BEEHIVE.

945,642.

Specification of Letters Patent.

Patented Jan. 4, 1910.

Application filed July 2, 1909. Serial No. 505,633.

To all whom it may concern:

Be it known that I, JOHN TOTH, a citizen of the United States of America, residing at Bartonville, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Beehives, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to bee hives, and the invention has for its object to provide a sectional bee hive with simple and effective means for allowing expansion and contraction of said sections, and at the same time maintaining an air tight connection between said sections.

Another object of this invention is to provide a novel fastener for yieldably connecting the sections of a bee hive, the fastener being designed whereby a plurality of sections can be assembled as the work within the hive increases.

With the above and other objects in view which will more readily appear as the invention is better understood the same consists in the novel construction, combination and arrangements of parts to be hereinafter described and then claimed.

In the drawings: Figure 1 is a perspective view of a bee hive constructed in accordance with my invention, Fig. 2 is an enlarged elevation of a stationary part of the fastener, Fig. 3 is an enlarged elevation of a movable part of the fastener, and Fig. 4 is an end view of the fasteners.

In the drawings, 1 denotes a rectangular base having the ends thereof provided with transverse cleats 2, these cleats supporting the base section in an elevated position, whereby bees can pass under the base section at the front edge of the rectangular base 1. The rectangular base section comprises end walls 3 and front and rear walls 4, and adapted to rest upon said base section is a lid section comprising end walls 5 and front and rear walls 5^a. This lid section supports a hinged lid 7 having vertical flanges 8 adapted to align with the walls of the intermediate section.

To connect the base section to the rectangular base 1, the intermediate section to the base section, and to fasten the hinged lid 7 in a closed position upon the intermediate section, yieldable fasteners are employed. Each fastener comprises two plates 9 and 10,

having angularly disposed confronting edges bent to provide converging flanges 11, the flanges converging toward one end of the fastener. The plates 9 and 10 are positioned at the confronting edges of the base section and the intermediate section at the confronting edges of the base section, and the cleats 2 at the front and side confronting edges of the lid 7 and the intermediate section 6, preferably adjacent to the vertical edges or corners of said sections. Screws 12 or similar fastening means can be employed for securing the plates in position, and said plates are provided with openings 13 to receive said screws.

Adapted to engage the flanges 11 of the plates 9 and 10 at the vertical edges of the bee hive sections are triangular shaped members 14 having the angular converging edges thereof bent to provide flanges 15 adapted to fit between the flanges 11 and the plates 9 and 10, as best shown in Fig. 4 of the drawings.

Oppositely disposed members have the confronting edges thereof provided with apertures 16, and connected to said members through the medium of the apertures 16 is a coil spring 17 adapted to draw said members toward one another, and frictionally hold each member in engagement with the flanges 11 of the plates 9 and 10.

The springs 17 permit of the members 14 yielding when a bee hive expands and contracts, also permitting of the sections or parts of the bee hive being easily and quickly disassembled. The sections also serve as a lock for maintaining the lid 7 in a closed position, and it is in this connection that I reserve the right to use a plurality of intermediate sections upon a base section.

The bee hive is made of light and durable wood, and while in the drawing there is illustrated a preferred embodiment of the invention, it is to be understood that the structural elements thereof can be varied or changed as to the shape, size and manner of assemblage without departing from the scope of the invention.

Having now described my invention what I claim as new, is:—

1. The combination with a bee hive consisting of a base, a base section and intermediate section, and a lid hinged to said intermediate section, of fasteners for yieldably connecting said sections together for holding

the base section in engagement with said base, and the lid in engagement with said intermediate section, said fasteners being arranged adjacent to the vertical edges of said sections and comprising, plates having angularly disposed converging edges bent to provide flanges, triangular members having the edges thereof bent to provide flanges to engage the flanges of said plates, and a coil spring connecting oppositely disposed members for maintaining the flanges of said members in frictional engagement with the flanges of said plates.

2. The combination with a bee hive consisting of sections, of fasteners located at the inner edges of said sections for yieldably connecting said sections, said fasteners comprising plates having converging flanges, members having the edges thereof flanged to frictionally engage the flanges of said plates,

and yieldable means connecting oppositely disposed members.

3. A fastener for sectional bee hives, comprising oppositely disposed plates having converging flanges, members adapted to frictionally engage said flanges, and yieldable means connecting said members.

4. A fastener for sectional bee hives, comprising oppositely disposed plates, members detachably connected to said plates, and yieldable means connecting said members for frictionally holding said members in engagement with said base.

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

JOHN TOTH.

Witnesses:

WILLIAM HETZMAN,
JOHN LANE.