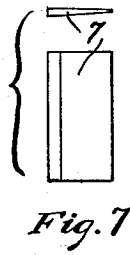
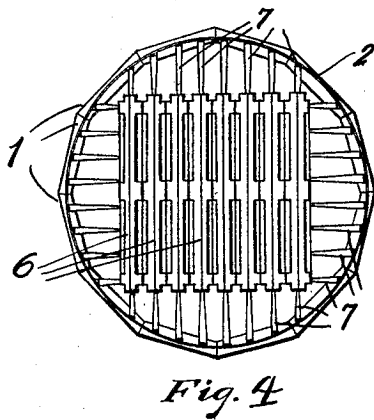
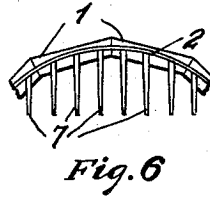
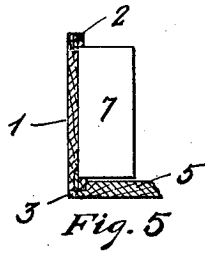
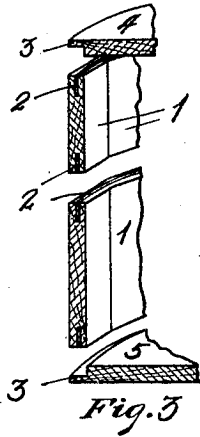
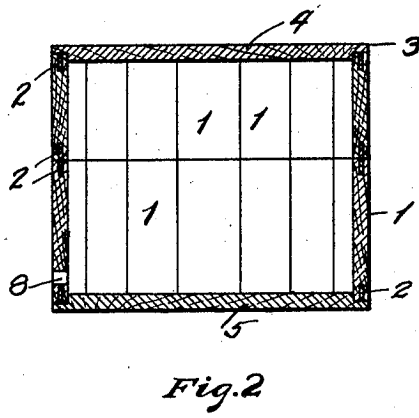
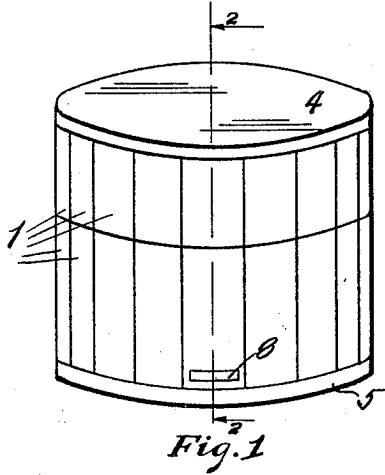


W. E. CREASE.
BEEHIVE.
APPLICATION FILED APR. 10, 1919.

1,321,600.

Patented Nov. 11, 1919.



Inventor.
Walter E. Crease
By Joseph A. Miller
Attorney.

UNITED STATES PATENT OFFICE.

WALTER E. CREASE, OF EAST GREENWICH, RHODE ISLAND.

BEEHIVE.

1,321,600.

Specification of Letters Patent.

Patented Nov. 11, 1919.

Application filed April 10, 1919. Serial No. 288,923.

To all whom it may concern:

Be it known that I, WALTER E. CREASE, a citizen of the United States, residing at East Greenwich, in the county of Kent and State of Rhode Island, have invented a new and useful Improvement in Beehives, of which the following is a specification.

This invention relates to certain new and useful improvements in a beehive, and it has for its primary object and aim to provide a knock-down structure which will be economical and efficient throughout and may be easily set up in a form possessing great strength and durability.

The invention, in one aspect, consists of a frame the sides of which are composed of staves having their ends formed with grooves to receive binding ring-like members, and supporting partition members detachably connected to the staves and extending inwardly to provide a support for the frames and also to divide the surrounding space into bee ways or rest chambers.

Further, the invention resides in the features of construction and their arrangement hereinafter described in detail and claimed succinctly, reference being had to the accompanying drawing wherein—

Figure 1 is a perspective view of a beehive embodying the present invention.

Fig. 2 is a vertical section therethrough on line 2—2 of Fig. 1.

Fig. 3 is a perspective view of the parts slightly spaced apart to indicate the manner in which they are assembled, said parts being shown in fragment.

Fig. 4 is a top plan view of the lower section of the hive, depicting the frames arranged therein and supported by the partition members.

Fig. 5 is a vertical section, in fragment, showing more clearly the method of connecting the partition member to the staves.

Fig. 6 is a fragmentary top plan view of a slightly modified form of partition member in position, and

Fig. 7 is a view showing the partition member in both top edge and side views.

Referring more in detail to the disclosure, the beehive comprises a top section and a body section, each consisting of a circular arrangement of staves 1 set on end and having beveled meeting side edges to form a tight structure. The upper and lower ends of the staves are formed with grooves running in the direction of width and communi-

cating with the grooves of adjacent staves to compose a circular groove both in the top edge and the lower edge of the polygonal side wall of each section. A binding ring 2 is next inserted in each circular end groove to firmly secure the staves together at each end, said ring lying substantially flush with the ends of said staves so that the peripheral flange 3 of the top 4, or bottom 5, will have a perfect seating on the ends of the staves in effecting a tight fit.

The frames 6 are held supported in spaced relation to the side wall of the hive by means of partition members 7 which have inwardly tapering or beveled side faces and their thick vertical outer edges anchored in corresponding grooves cut in the staves. These partition members are of varying sizes and define a rectangular space in which the frames 6 are disposed. Therefore, in the preferred arrangement three partition members are set in grooves in each of two adjacent staves and one in each second stave, the latter stave being located in a corner of the frames 6 and carrying a second member 7 arranged at right angles to the first member to engage the frames on the adjoining side, as is clearly depicted in Fig. 4. Thus, in the form of invention depicted, every two staves mount three partition members in parallel relation and every third stave is equipped with two partition members arranged at right angles to one another. This arrangement defines the required rectangular space for the frames, the construction of which is more clearly shown and claimed in my co-pending application.

The partition members may have their outer vertical edges squared, as in Fig. 4, or beveled to conform to the binding ring on which they seat, as in Fig. 6. When the beehive is set up the partition members firmly support the frames in position and also define passageways for the bees to enter.

The construction is simple and yet of a durable nature, and is very economical, being formed of cheaply constructible parts which may readily be knocked down and assembled when desired. One of the lower staves is provided with an entrance opening adjacent its bottom end, as indicated at 8, this being located slightly above the floor 5.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is—

1. A knock down beehive comprising up-

per and lower sections each consisting of a surrounding wall formed of staves stood on end, the ends of said staves formed with grooves constituting one continuous groove in each end of the wall, binding rings embedded in the grooves to hold the staves at their upper and lower ends, a base section having a peripheral flange on which the wall seats, and means within the hive for supporting honey frames.

2. A knock-down beehive formed of a plurality of staves having their ends grooved to provide a continuous groove at each end of the structure, binding strips seated in the grooves to hold the staves together, and removable bases secured on the opposite ends of the structure, one of said staves having an entrance opening.

3. A knock down beehive composed of a plurality of staves arranged on end, means securing them together at their ends, and frame supporting means carried by each stave.

4. A knock down beehive composed of staves arranged on end and secured together

detachably, rectangular related series of parallel partition members carried by the staves and defining a rectangular frame compartment within the hive, and frames supported in position by said partition members, the latter providing series of rest ways at the sides of the frames for the bees.

5. A knock down beehive comprising a plurality of staves arranged on end, means securing the same together at their ends, series of supporting members for holding frames in position, each series consisting of a plurality of said members arranged on each of two adjacent staves and a pair of angularly related members on the third stave providing the meeting corner of two series, and frames supported by the members at their inner edges.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER E. CREASE.

Witnesses:

ADA E. HAGERTY,
J. A. MILLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."