

July 6, 1943.

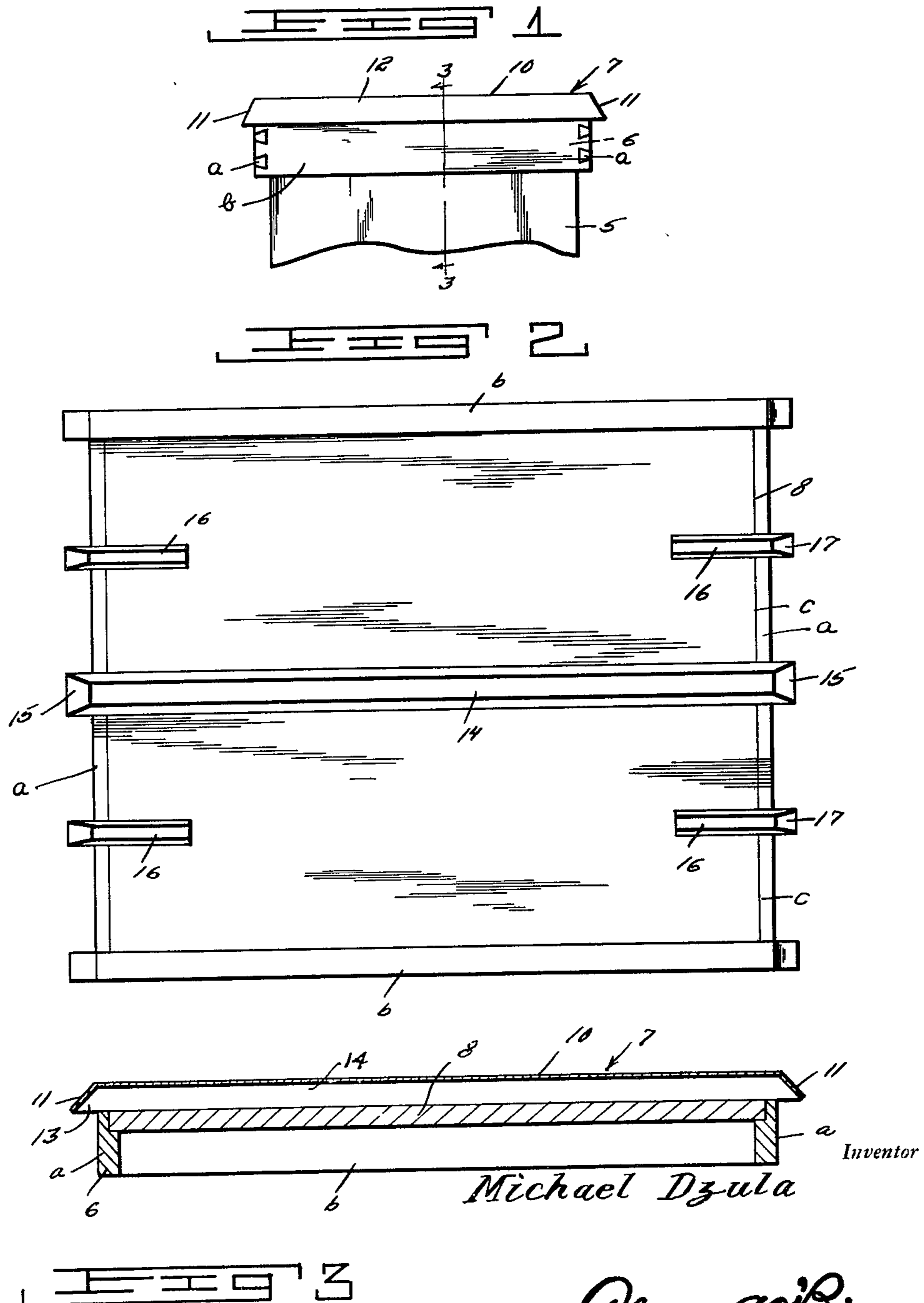
M. DZULA

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BEEHIVE COVER

Filed Sept. 22, 1941

2 Sheets-Sheet 1



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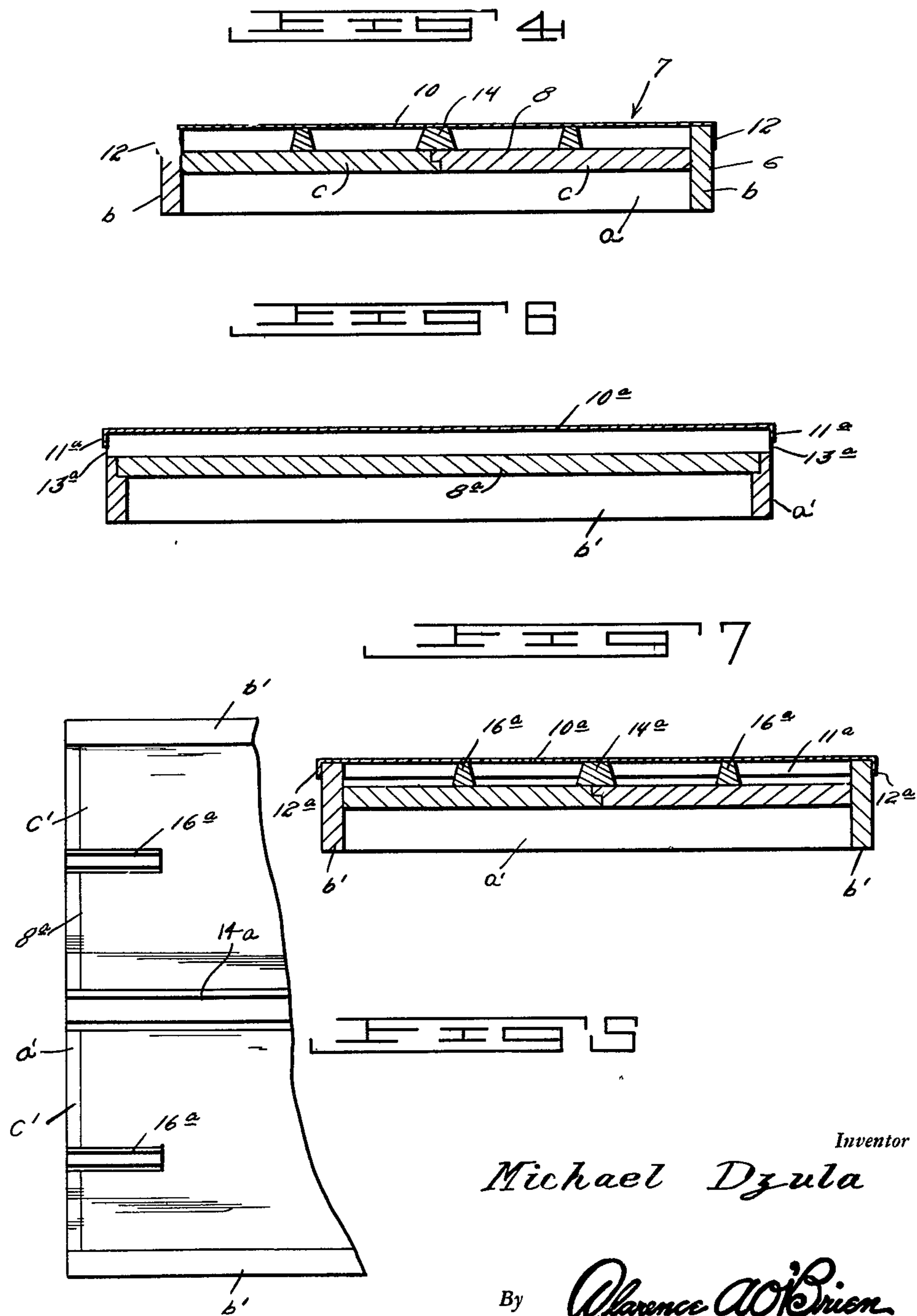
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2 Sheets-Sheet 2



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BEEHIVE COVER

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Application September 22, 1941, Serial No. 411,908

2 Claims. (Cl. 6—1)

This invention relates to new and useful improvements in beehives and more particularly to a ventilated cover structure.

The principal object of this invention is to provide a beehive cover through which air can pass, thus cooling the upper portion of the beehive and preventing the occurrence of condensation in the beehive which tends to result in the formation of mold and the resultant loss of bees.

Other objects and advantages of the invention will become apparent to the reader of the following description.

In the drawings:

Figure 1 represents a fragmentary end elevational view showing the improved cover.

Figure 2 is a top plan view of the top frame with the cover removed.

Figure 3 is a longitudinal sectional view taken substantially on line 3—3 of Figure 1.

Figure 4 is a cross-sectional view.

Figure 5 is a fragmentary top plan view of the frame of the modified form of the invention.

Figure 6 is a longitudinal sectional view through the modified form.

Figure 7 is a transverse sectional view through the modified form of the invention.

Referring to the drawings wherein like numerals designate like parts, it can be seen in Figure 1 that numeral 5 denotes a beehive having a top frame 6. This top frame is particularly constructed to accommodate the improved cover generally referred to by numeral 7.

This top frame 6 comprises end members *a, a* and side members *b, b*, the end members *a, a* being rabbeted to accommodate the ends of a top wall 8 which is in a pair of sections *c, c*, as shown in Figure 4, having their inner edges interlapped as clearly shown. The outer edges of the sections *c, c* abut the side walls *b, b*, the upper edge portions of which rise above the top of the top wall 8.

The cover 7 consists of a substantially rectangular-shaped plate 10 which bridges the edges of the side walls *b, b* and has inclined end walls 11, 11 and vertical side walls 12, 12. The side walls 12, 12 hug the side walls *b, b* of the frame 6, while the inclined end walls 11, 11 extend outwardly from the end members *a, a*, of the frame 6 so as to leave a space through which air can pass. The upper portions of the side walls *b, b*, extend outwardly beyond the end walls *a, a*. The structure depicted defines an air space 13.

A dove-tailed-shaped rib 14 extends longitudinally over the adjoining edges of the sections *c, c* and is suitably secured to the top wall 8, the ends of this rib being bevelled as at 15 and extending beyond the end walls *a, a*, as clearly shown in Figure 2.

Short cleats 16 are suitably secured to the sections *c, c* and extend outwardly beyond the ends

thereof. The extending ends are bevelled as at 17 to define rests for the inclined end walls 11, 11 of the cover plate 10. Thus, it will be seen that air enters one end of the cover and passes between the cover plate 10 and the top wall 8 to exhaust at the other end of the cover. Thus, the upper portion of the beehive is maintained cool due to the circulation of air and inability of the sun's rays to penetrate into the hive.

A slightly modified form of the invention is shown in Figures 5, 6 and 7, wherein a top wall 8^a is divided into sections *c', c'* and has a rib 14^a extending along its joining edges, but terminating at the ends of the top wall 8^a and not extending beyond, as in the instance of the rib 14. The sections 8', 8' also have short ribs 16^a, 16^a suitably secured thereto but also terminating at the ends of the top wall 8^a. The top wall 8^a is associated with a frame which includes side walls *b', b'* extending above the said top wall 8^a and cover plate 10^a bridges these side walls *b', b'*, also resting on the rib 14^a and the cleats 16^a. However, the ends of this plate 10^a are provided with depending lips 11^a which extend a short ways on the ends of the rib 14^a and cleats 16^a, leaving air entrance and exhaust ways 13^a. The side edges of the cover plate 10^a are provided with depending flanges 12^a which snugly hug the side walls *b', b'*.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

1. In a beehive a cover structure comprising a frame provided with a top wall, said top wall provided with elongated parallel spaced risers projecting at their ends beyond the corresponding sides of the frame, said ends of the risers being bevelled, and a cover plate for disposition over the frame and risers, said cover plate being provided with side and end flanges, said end flanges being inclined to snugly rest against the bevelled ends of the risers.

2. In a beehive a cover structure comprising a frame provided with a top wall, said top wall provided with elongated parallel spaced risers projecting at their ends beyond the corresponding sides of the frame, said ends of the risers being bevelled, and a cover plate for disposition over the frame and risers, said cover plate being provided with side and end flanges, said end flanges being inclined to snugly rest against the bevelled ends of the risers, certain of the risers being shorter than the others and extending only slightly inwardly on the top wall.

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