

Aug. 17, 1937.

A. E. HASSELBACH

2,090,042

BEEHIVE

Filed March 12, 1935

Fig. 1.

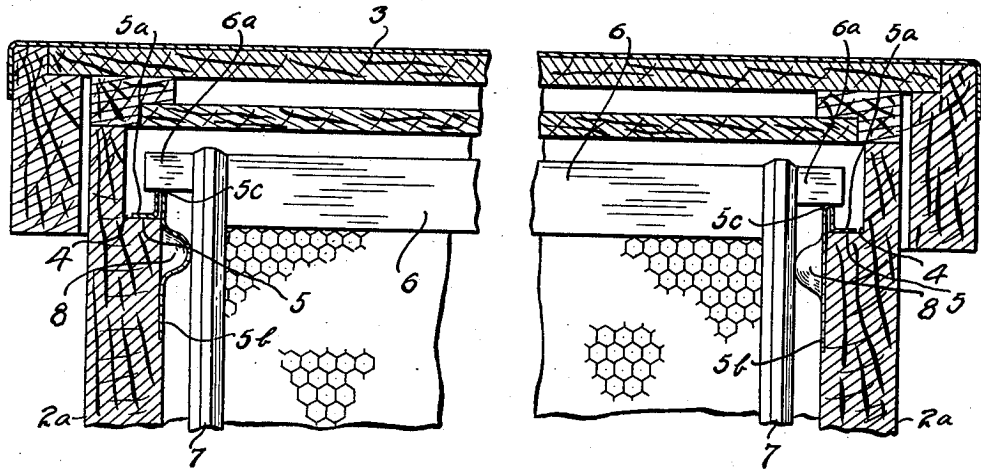


Fig. 2.

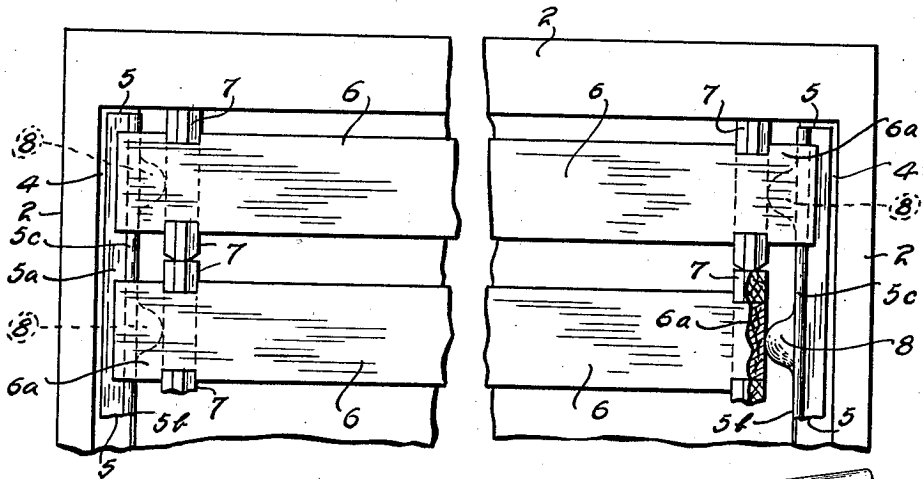


Fig. 3.

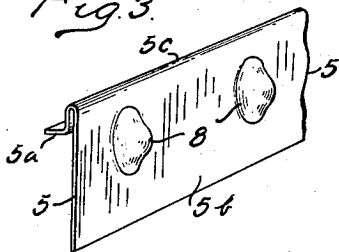


Fig. 4.

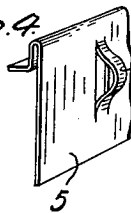
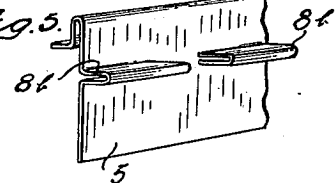


Fig. 5.



INVENTOR.
ALBERT E. HASSELBACH.

BY *Clifford Stoddard*
ATTORNEY.

UNITED STATES PATENT OFFICE

2,090,042

BEEHIVE

Albert E. Hasselbach, Utica, Mich.

Application March 12, 1935, Serial No. 10,693

8 Claims. (Cl. 6—2)

My invention relates to beehives and an object is to provide an improved means for locating the frames in the hive that shall obviate recognized disadvantages and that is cheap to make and convenient to manipulate.

In the accompanying drawing:—

Figure 1 is a sectional elevation of the upper part of a hive and frame with comb therein, embodying my invention.

Figure 2 is a plan view of a portion of a hive broken away to save space and also broken away to a small extent to more clearly show the construction, the cover being removed.

Figure 3 is perspective view of a part of a supporting strip, and

Figures 4 and 5 are views similar to Figure 3 illustrating modified constructions of the supporting strip.

In the accompanying drawing 2 indicates an end wall, and 2a indicates the side walls of the hive, and 3 is the cover therefor. Opposite walls 2a—2a, are cut away, or rabbeted to form inside shoulders 4—4. 5—5 are supporting sheet metal strips having flanges 5a resting upon the shoulders 4—4, and flanges 5b lying against the inside surface of the walls adjacent to the shoulders 4—4. These strips present a bead 5c, intermediate the flanges 5a and 5b extending upward and between the walls 2—2.

6 is the top bar, and 7—7 are the side bars of the comb frame. The ends 6a of the top bars rest upon the upper edge of the bead 5c to support the frame.

The above described construction is conventional.

In a beehive it is necessary that a free circulation of air, and unobstructed movement for the bees should be provided for. Therefore the vertical side bars 7 are spaced a sufficient distance from the inner surfaces of the adjacent walls, as indicated in the drawing.

To this end three expedients have been used; First, the top bars 6 have been so proportioned that their ends come against, or close to, the surface of the side walls above the shoulders 4—4; second, a notch or shoulder has been formed on the under side of the top bar that would engage the inner surface of the bead 5c; third, double pointed tacks have been driven into the frame 6—7 so as to extend a proper distance from said frame and engage the inner surface of the wall 2a.

The first method is objectionable in that the ends of the top bars somewhat obstruct the movement of the bees and said bars become attached to the walls by a deposit of wax, the second (shown

in U. S. Patent No. 1,782,202) is objectionable in that wax is deposited in the notch, or against the shoulder and it no longer properly positions the comb frame. The third is objectionable in that it is troublesome to provide the tacks, and they rust and fall out of the wood and become lost.

To obviate these objections, I form the strip 5 with convex bosses 8, extending inward from the flange 5b opposite the side pieces 7 of the frame and of a size, and shape that will properly position the frame.

The strip 5 with the bosses 8 may be very cheaply made, and easily adjusted to place. It is entirely effective for its purpose and does not obstruct the movement of air or of the bees.

In Figure 4, a strip of the flange 5b is stamped out to form an equivalent 8a of the boss 8, and in Figure 5 a horizontal bead 8b is formed, and cut away so as not to interfere with ventilation.

What I claim is:

1. In a beehive, strips of material extending parallel and adjacent to opposite walls of said hive and supported thereby, comb frames extending between said strips and resting upon said strips to support said frames, said strips being provided with lateral extensions adapted to contact said frames to position the same horizontally between said strips.

2. In a beehive, strips of material extending parallel and adjacent to opposite walls of said hive and removably supported thereby, comb frames extending between said strips and resting upon said strips to support said frames, said strips being provided with lateral extensions adapted to contact said frames to position the same horizontally between said strips.

3. In a beehive, strips of sheet material extending parallel and adjacent to opposite walls of said hive and supported thereby, comb frames extending between said strips and resting upon said strips to be supported thereby, said strips having bosses struck up therefrom and extending laterally to contact said frames to position the same horizontally between said strips.

4. In a beehive, strips of sheet material extending parallel and adjacent to opposite walls of said hive and supported thereby, comb frames extending between said strips and resting upon said strips to be supported thereby, said strips having bosses struck up therefrom and extending laterally to contact said frames to position the same, said strips having laterally extending flanges engaging the hive walls to support said strips, and downwardly extending flanges adapted to engage

the side walls of said hive to position said strips, said bosses being struck up from said downwardly extending flanges.

5 5. In a beehive, having side walls with rabbets presenting horizontal shoulders, strips of thin material having lateral flanges resting upon said shoulders to support said strips, and vertical flanges adapted to engage said walls to position said strips, said vertical flanges having bosses struck up therefrom, comb flanges extending between said strips and resting thereon to support said frames, said bosses being adapted to contact said frames to position the same.

10 6. In a beehive, having side walls with rabbets presenting horizontal shoulders, strips of thin material having lateral flanges resting upon said shoulders to support said strips and having laterally inwardly extending lugs, comb frames ex-

tending between said strips and resting thereon to support said frames, said lugs being adapted to contact said frame to position said frames.

7. In a beehive, strips of material extending parallel and adjacent to opposite walls of said hive and supported thereby, comb frames extending between said strips, said strips being provided with lateral extensions adapted to contact said frames to position the same horizontally between said strips.

10 8. In a beehive, strips of sheet material extending parallel and adjacent to opposite walls of said hive and supported thereby, comb frames extending between said strips, said strips having bosses struck up therefrom and extending laterally to contact said frames to position the same horizontally between said strips.

ALBERT E. HASSELBACH.