

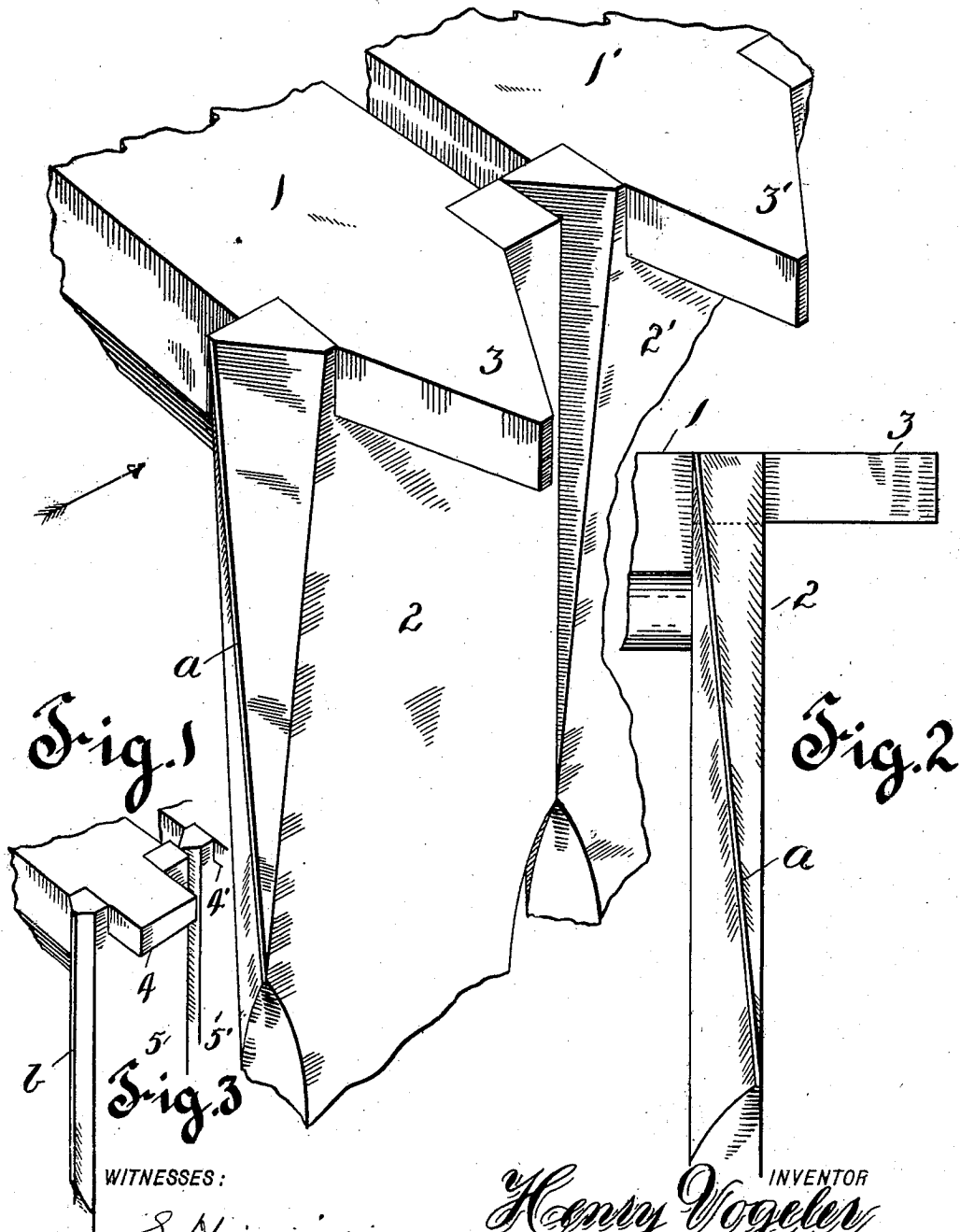
No. 732,667.

PATENTED JUNE 30, 1903.

H. VOGELER.
BEEHIVE FRAME.

APPLICATION FILED MAR. 9, 1903.

NO MODEL.



WITNESSES:

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BEEHIVE-FRAME.

SPECIFICATION forming part of Letters Patent No. 732,667, dated June 30, 1903.

Application filed March 9, 1903. Serial No. 146,903. (No model.)

To all whom it may concern:

Be it known that I, HENRY VOGELER, a citizen of the United States, residing at Newcastle, in the county of Placer and State of California, have invented certain new and useful Improvements in Beehive-Frames; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My present invention is an improvement in beehive-frames which possesses all the requisites of strength and durability and is especially simple in construction and most efficient in operation.

In the assembling of frames ready for the operation of the bees great care is exercised to guard against crevices; otherwise the bees have to devote themselves to remedy such defects by depositing a resinous substance called "propolis." The usual method employed to insure tight joints between adjacent frames is to cut one vertical edge of each frame V-shaped to form a vertical apex. The opposite edge of the frame is left flat to receive the vertex of the adjacent frame. Now the great objection to this construction is that a very slight shifting of one frame relative to the other will allow the V-shaped edge to slip past the flat edge of the adjacent frame. I overcome this objection by causing the vertex of the V-shaped edge to pass diagonally across the edge, thereby permitting a greater area for shifting without dangerous disarrangement.

Other objects and advantages of my invention will appear in the following specification, and the novel features thereof will be particularly pointed out in the appended claims.

I am enabled to accomplish the objects of my invention by the means illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a broken-off portion of adjacent frames. Fig. 2 is a side view of one of the frames looking in the direction of the arrow in Fig. 1. Fig. 3 is a

perspective view of the ordinarily-constructed frames.

Referring now to the above views by numerals, 1 1' represent the top bars of adjacent frames, while 2 2' represent the end bars thereof. These end bars are notched at their extremities to receive the top bars and permit of the projections 3 3', which rest on the rabbet found in the ordinary hive.

In Fig. 3 I have shown the usual form of projections 4 4' for the top bars, and in Fig. 1 I show V-shaped projections, which form allows space for the operator's fingers to more conveniently grasp the frames in order to remove them from the hive.

In Fig. 3 I have shown one vertical edge of the end bars 5 5' chamfered to form a central apex *b*. Now it is manifest that as this apex rests against the opposite flat edge of the end bar it only requires a very little lateral shifting before it glides past the flat edge and disarranges the assembled frames.

In my improved frame I cause the chamfers to unite to form a diagonal vertex *a*, as shown in Fig. 1. It is manifest that these frames can be shifted the entire thickness of the end bars before the vertex leaves the flat edge of the adjacent frame.

By the improved construction herein shown and described I am enabled to manufacture and place on the market a superior article at a very moderate cost, and thus to meet the demands of the trade.

What I claim, and desire to secure by Letters Patent, is—

1. A beehive-frame having the edge of its end bar cut away to form a diagonal apex.
2. A beehive-frame having the edge of the end bar formed with a vertex extending across the entire thickness of the bar.

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

HENRY VOGELER.

Witnesses:

C. H. KELLOGG,
PAUL H. STEUDE.