

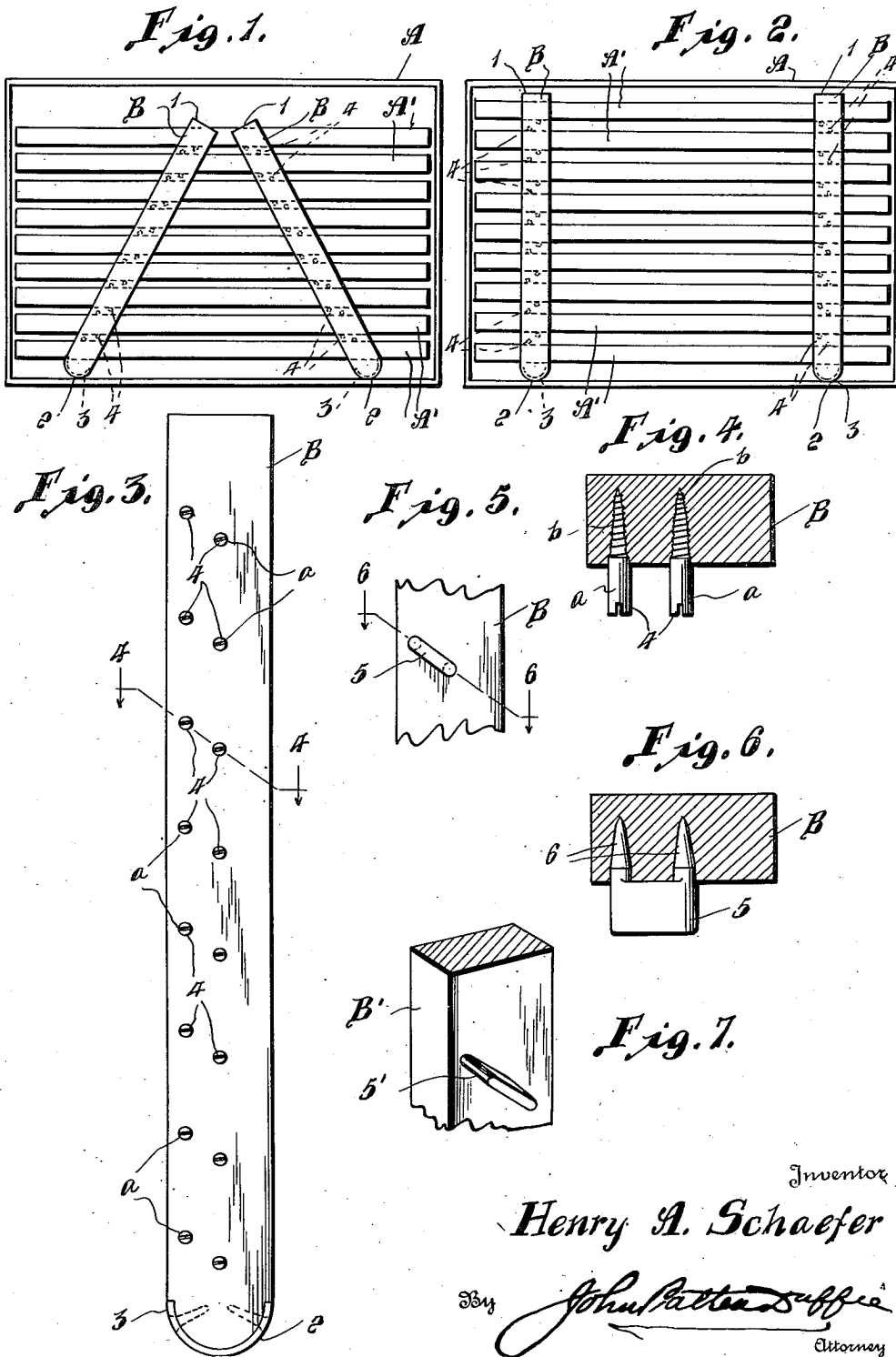
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BEEHIVE COMB OR FRAME SPACER

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## BEEHIVE COMB OR FRAME SPACER

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### 1 Claim. (Cl. 6—2)

This invention relates to new and useful improvements in bee-hive comb or frame spacers.

The primary object of my invention is to provide a device of the character specified, whereby the respective frames of the bee-hive may be easily and accurately spaced with respect to each other with the minimum effort and in less than one half the time that would ordinarily be required to perform this operation.

A further object of my invention is to provide a device of this kind that is simple and economical in construction and highly efficient and durable in use.

With the foregoing and other objects in view that will appear as the nature of my invention is better understood, the same consists in the novel features of construction, combination and arrangement of parts illustrated in the accompanying drawing and more particularly pointed out in the appended claim.

In the accompanying drawing, which is for illustrative purposes only and is therefore not drawn to scale:

Figure 1 is a side elevation, illustrating the application of my invention, and showing the inclined position of the spacing bars preparatory to the frame spacing operation.

Figure 2 is a similar view, showing the position of the frames and spacing bars after the spacing operation.

Figure 3 is an enlarged inside face view of one of the spacing bars.

Figure 4 is an enlarged diagonal cross section, taken on line 4—4 of Figure 3.

Referring to the drawing for a more particular description of my invention, and in which drawing like parts are designated by like reference characters throughout the several views, A designates the bee-hive, A' the "combs" or frames and B my improved spacing bars.

The spacing bars B are identical in construction and are made of flat elongated strips of maple or other hard wood, or of metal, as preferred, with straight upper ends 1 and curved or rounded lower ends 2. The lower ends 2 of

the spacing bars are equipped at their inner edges or portions with the curved metal shoes 3, which work against one end of the hive.

In carrying out my invention, the inner face of each spacing bar is provided with a series of vertically spaced diagonally disposed metal pegs 4, which are arranged in pairs, as shown. These pegs may be in the form of screws comprising the cylindrical body portions *a* and tapering threaded shanks *b* adapted to screw into the wooden or metal spacing bars B. In practice, the frames A' are pushed to the side of the hive nearest the operator and the spacing bars B then applied in an inwardly inclined position, as shown in Figure 1, with each pair of diagonally disposed pegs extending into the space between the corresponding pair of frames. The upper ends of the spacing bars are then pushed away from each other into the perpendicular position illustrated in Figure 2 of the drawing, which motion, by virtue of the diagonal arrangement of the pegs 4 gradually increases the spaces between the respective frames until the maximum is reached.

It is to be understood that the spacing bars may be made of any desired size or length with necessary attendant pegs for spacing any number of frames of any required size of hive.

From the foregoing description taken in connection with the drawing, it is thought that the construction, operation and advantages of my invention will be readily understood, without requiring a more extended explanation.

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

Bee-hive comb or frame spacers, comprising a pair of flat elongated wooden spacing bars provided on their inner faces with pairs of inwardly extending diagonally disposed metal pegs adapted to extend into the spaces between the corresponding frames and act to space the frames to the maximum extent when the spacing bars are moved from an inwardly inclined to a perpendicular position.

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