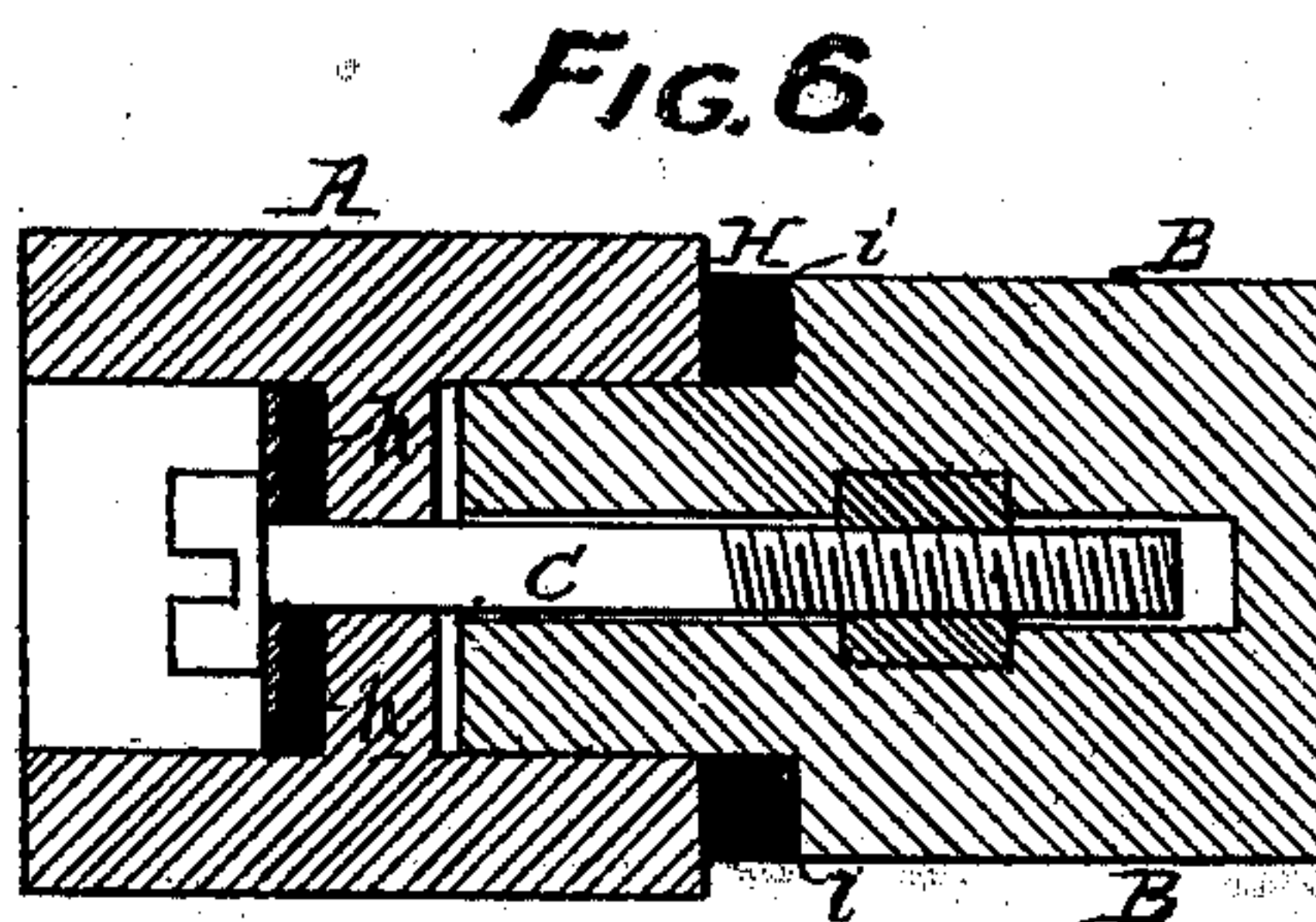
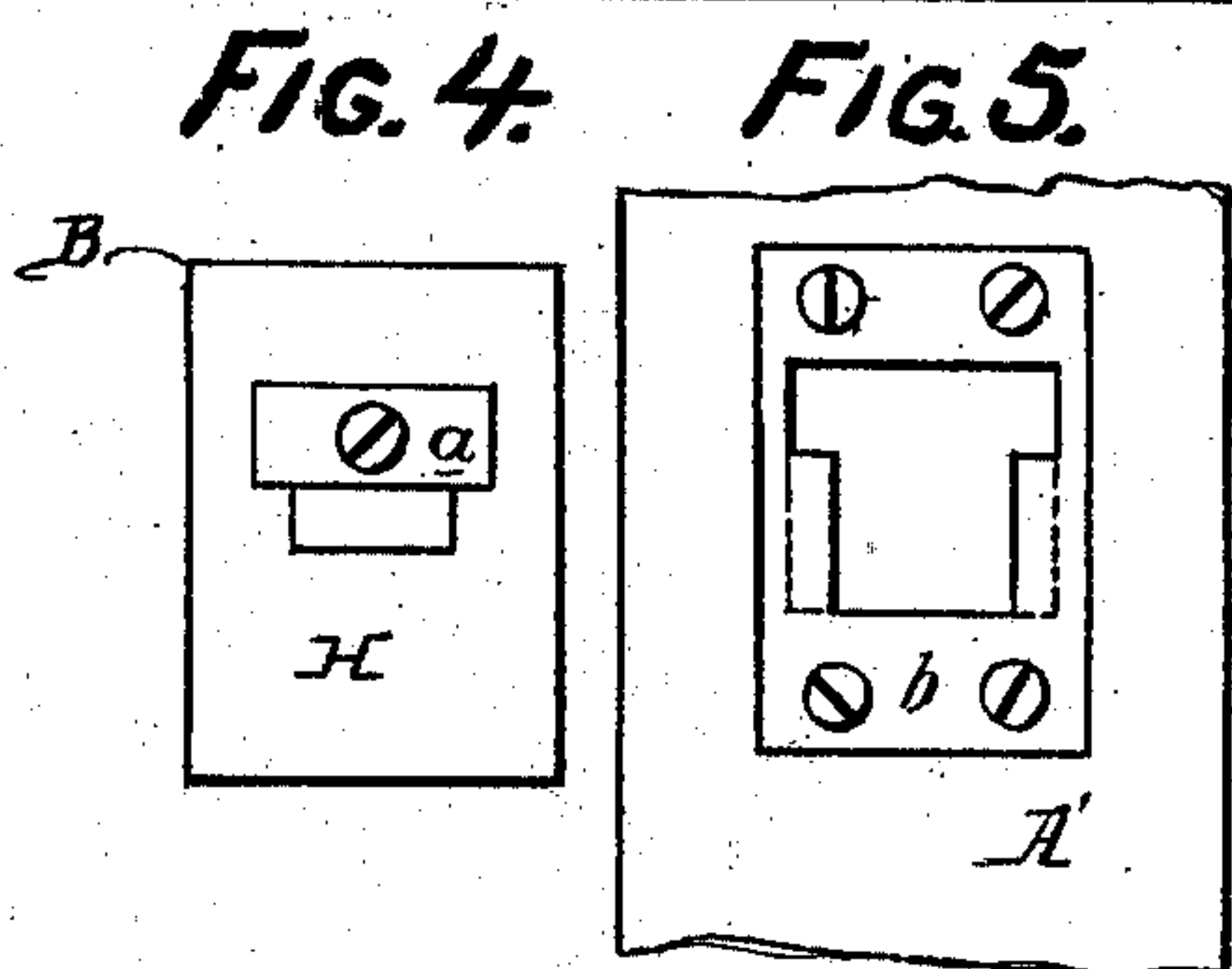
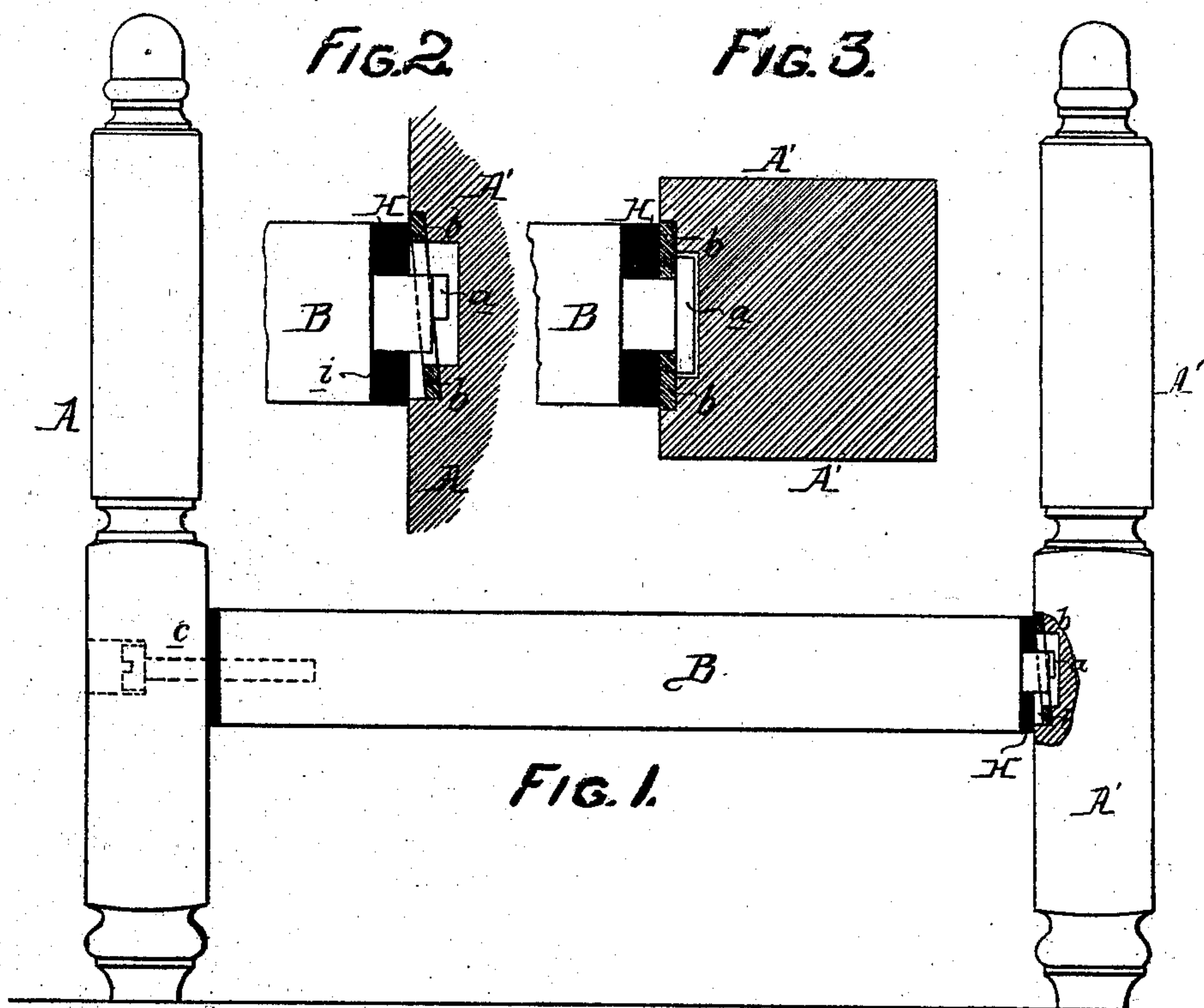


*J. E. Dugan,*

*Bestead.*

*No. 97,619.*

*Patented Dec. 7. 1869.*



WITNESSES { *Wm. A. Atch.*  
*John Parker*

*Daniel E. Dugan*  
*by his Atty's*  
*Howson and Son*



# United States Patent Office

DANIEL E. DUGAN, OF SPRINGVILLE, PENNSYLVANIA.

Letters Patent No. 97,619, dated December 7, 1869.

## IMPROVEMENT IN BEDSTEADS.

The Schedule referred to in these Letters Patent and making part of the same.

I, DANIEL E. DUGAN, of Springville, county of Chester, State of Pennsylvania, have invented an Improvement in Bedsteads, of which the following is a specification.

### *Nature and Object of the Invention.*

My invention consists in the intervention, between the ends of the rails and posts of a bedstead, of a packing of rubber, or equivalent compressible material, for the purpose of obtaining perfectly tight joints, which will prevent the admission of insects into the recesses in the posts, the said packing also preventing the wearing away of the ends of the rails, and the consequent creaking of the bedstead-joints, all as fully described hereafter.

### *Description of the Accompanying Drawing.*

Figure 1 is a view of one side of a bedstead, with my improvement, and

Figures 2, 3, 4, 5, and 6, detached views of the same, drawn to an enlarged scale.

### *General Description.*

A and A' represent two of the posts of a bedstead, and B, one of the rails, the latter, for the purpose of better illustrating my invention, being attached to the post A by the usual screw-fastening C, which passes through the post, and into one end of the rail, and being attached to the post A' by a self-tightening catch, F, of ordinary construction, consisting of a T-piece, *a*, secured to the end of the rail, and arranged to pass through an oblong slot in an inclined plate, *b*, secured to the post, the T-piece, when forced downward, after passing through the slot, having a tendency to draw the post and rail tightly together.

The recesses, which it is necessary to cut in the posts of a bedstead for the reception of the ends of the rails, afford a harbor for bed-bugs and other insects, from which it is very difficult to dislodge them, and no joints,

as heretofore constructed, have been sufficiently tight to prevent the admission of these insects.

I have found, however, that by the introduction of a slat or block of compressible rubber between the rail and post, a perfectly tight joint, which will effectually debar the passage of insects, can be obtained.

This slat or block, marked H in the drawing, is fitted over the end of the rail, and against the shoulder *i* of the same, so that on the introduction of the end of the rail into the recess in the post, and the tightening of the screw or other fastening, the rubber will be so firmly compressed between the post and rail as to insure the perfect joint required.

The intervening rubber has also another advantage, namely, that it will prevent the wearing away of the end of the rail, and the consequent creaking of the bedstead at the joints.

A washer or packing, *h*, may also, if desired, be introduced beneath the head of the screw, as shown in fig. 6, when the latter fastening is employed.

Although I prefer to use rubber as a packing-medium in the joints of bedsteads, it will be evident that leather or other compressible material may be substituted for the rubber, without departing from my invention.

### *Claim.*

The combination of the rail and post of a bedstead, the fastening-device securing the two together, and a block of rubber or other compressible material, as set forth.

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

DANIEL E. DUGAN.

Witnesses:

JOHN WHITE,  
LOUIS BOSWELL.