

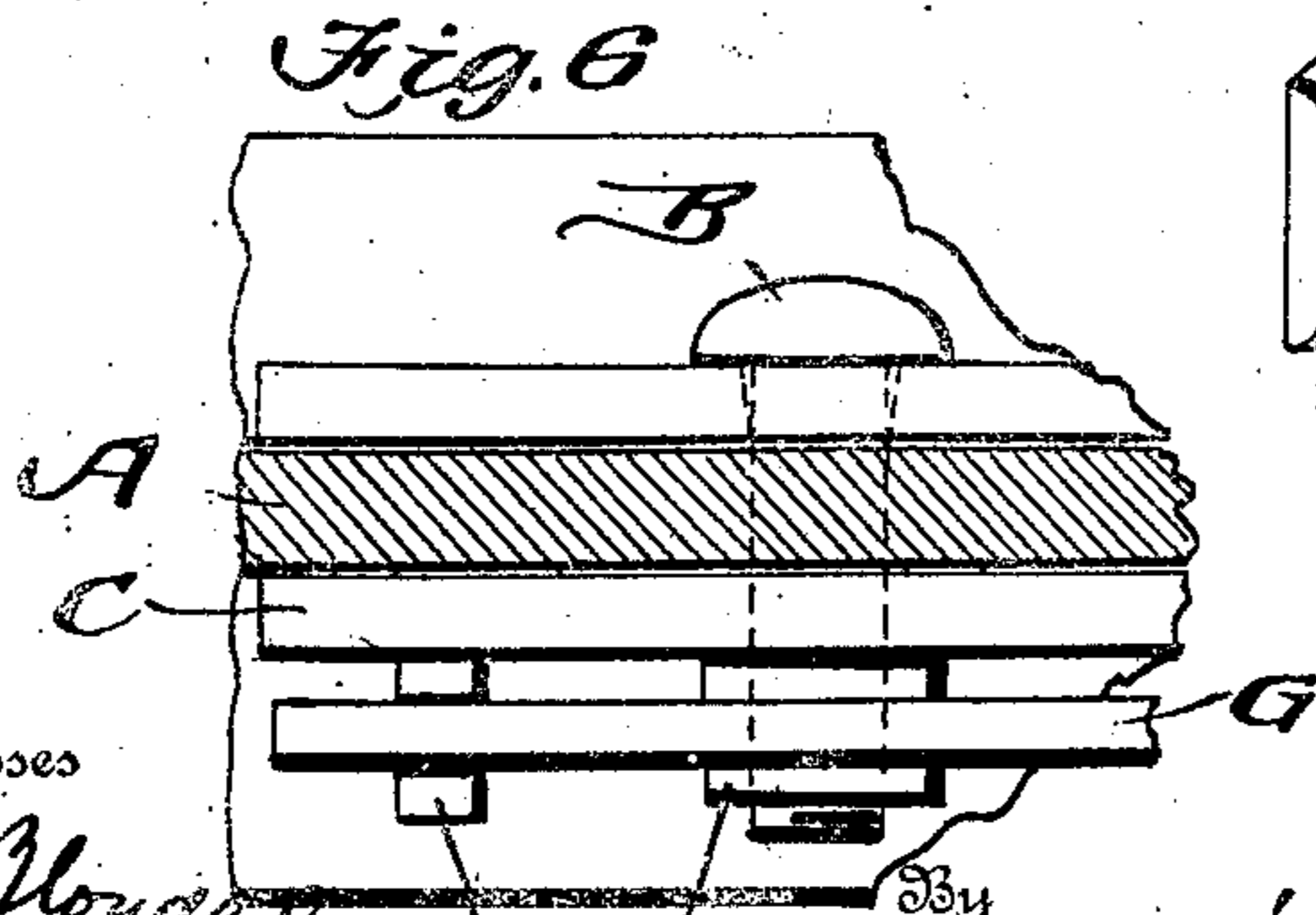
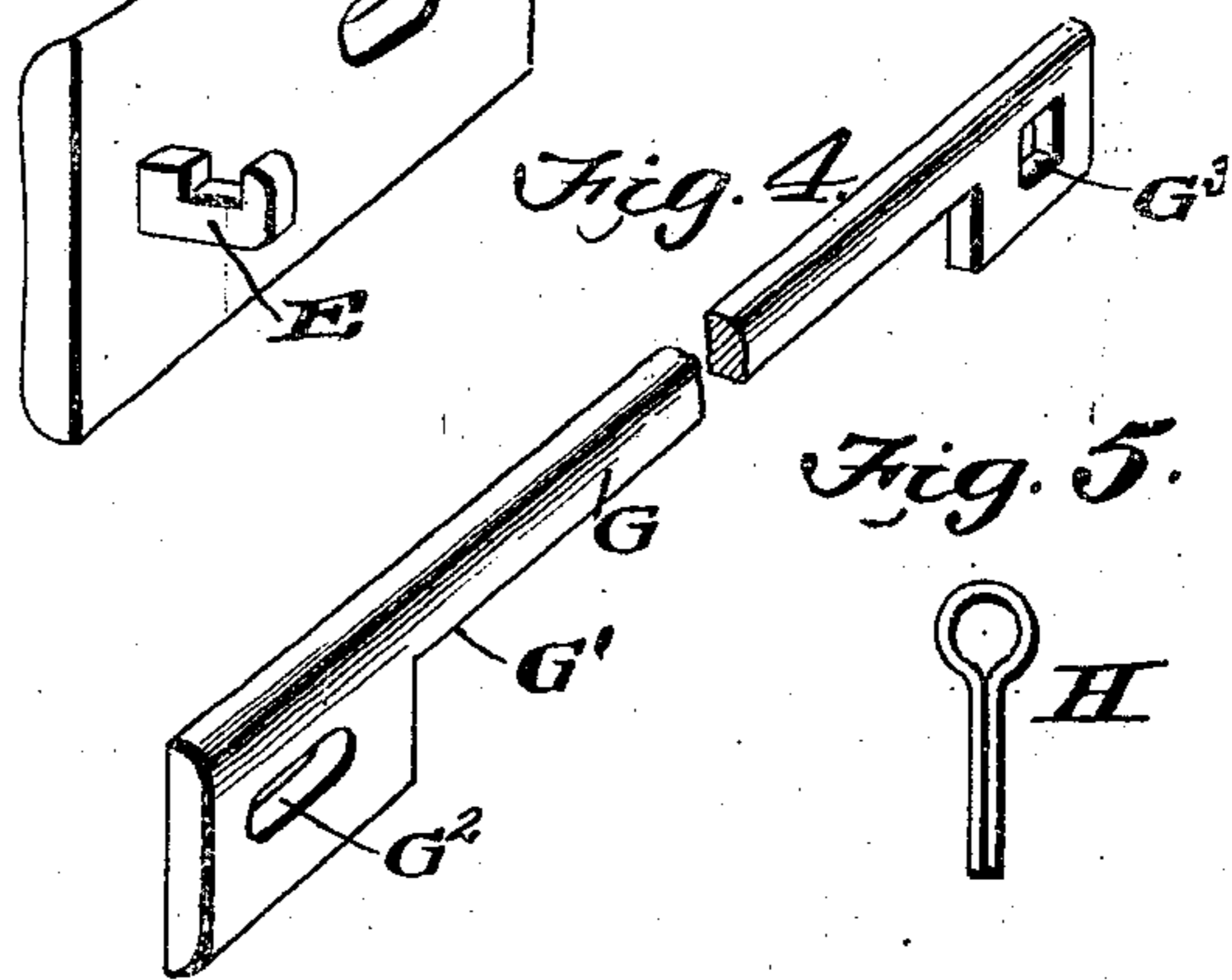
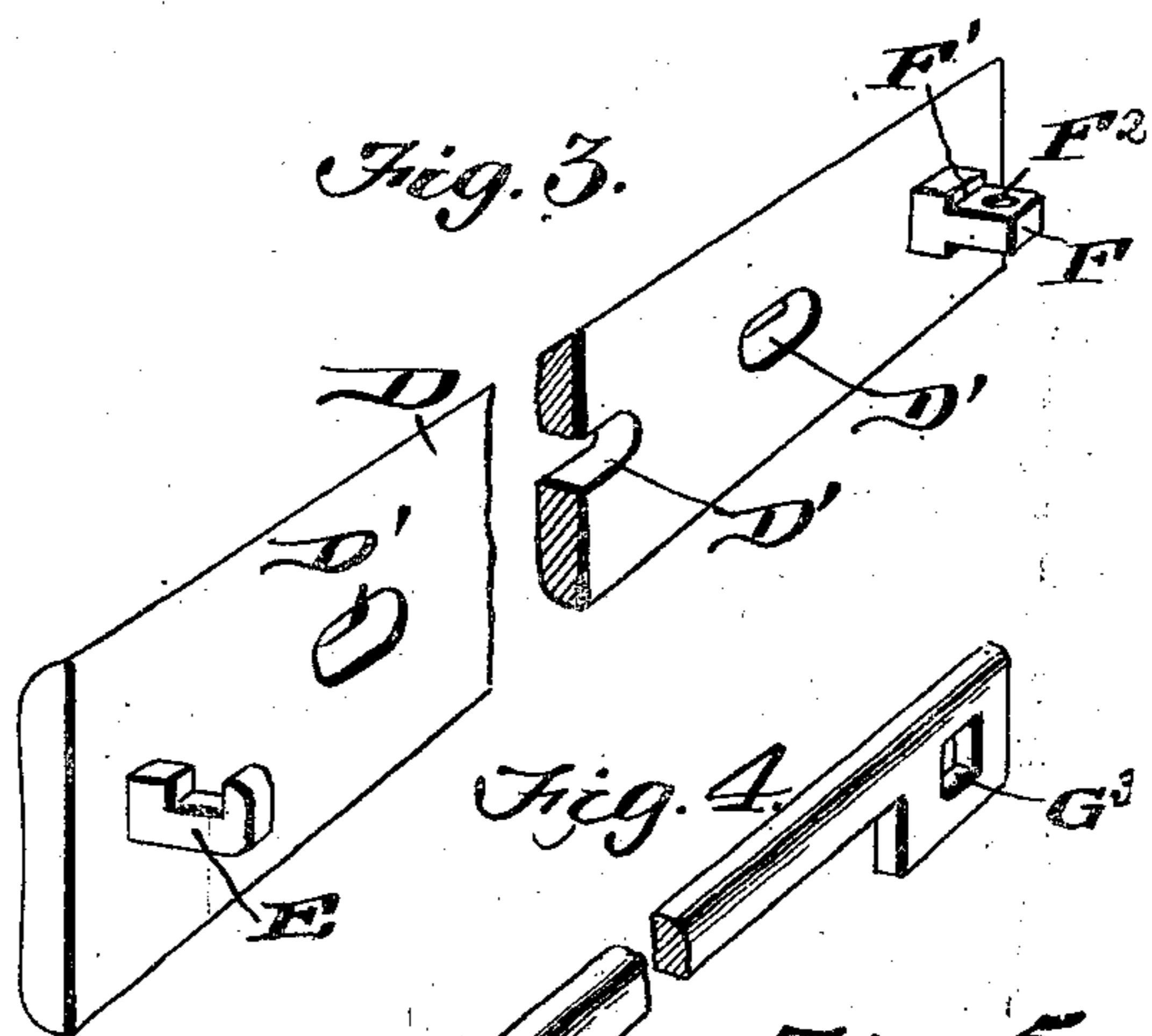
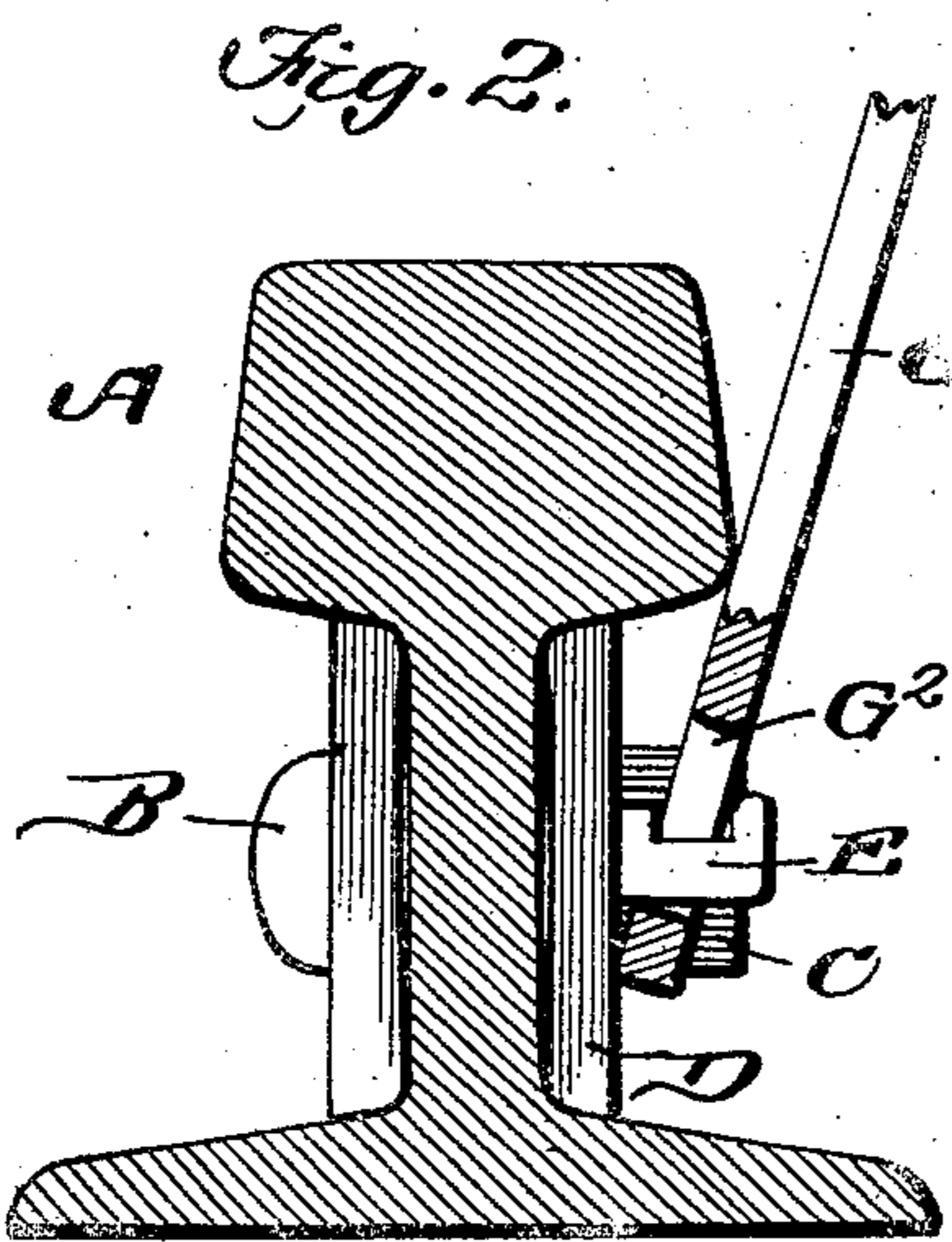
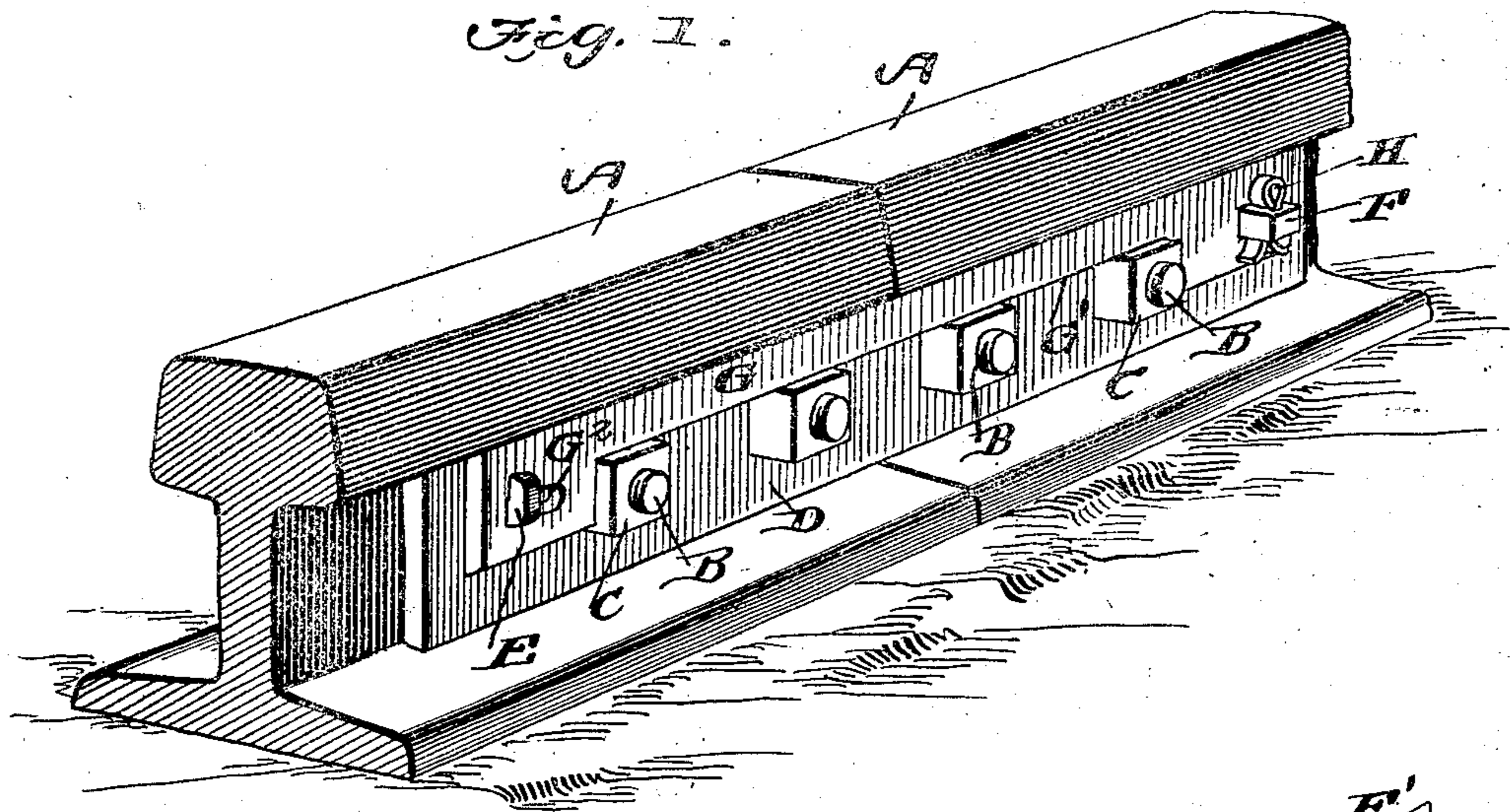
No. 754,309.

PATENTED MAR. 8, 1904.

H. C. HOLLIDAY.  
NUT LOCK.

APPLICATION FILED JULY 20, 1903.

NO MODEL.



Witnesses

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# UNITED STATES PATENT OFFICE.

HENRY C. HOLLIDAY, OF HERMANVILLE, MISSISSIPPI, ASSIGNOR OF TWO-THIRDS TO S. E. DUDLEY AND J. W. FOSTER, OF HERMANVILLE, MISSISSIPPI.

## NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 754,309, dated March 8, 1904.

Application filed July 20, 1903. Serial No. 166,376. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY C. HOLLIDAY, a citizen of the United States, residing at Hermanville, in the county of Claiborne and State of Mississippi, have invented a new and useful Nut-Lock, of which the following is a specification.

This invention relates generally to nut-locks, and more particularly to that class thereof known as "side" nut-locks in which the locking appliance is applied to one side of the nut for the purpose of holding the same immovable upon the bolt.

My improved construction of nut-lock is particularly adapted for use upon railroad and bridge constructions; but it is obvious that it can be employed in other constructions wherein it is desired to lock a series of nuts upon their respective bolts.

The invention consists in the employment of a washer-plate having a plurality of bolt-openings intermediate its ends and forwardly-extending projections adjacent its end, one projection being in the form of a hook and the other in the form of an apertured lug, and in the employment of a locking-plate which is adapted to extend along the sides of the nuts, said locking-plate having an elongated aperture adjacent one end which is adapted to engage the hook-shaped lug and an aperture adjacent the opposite end through which the apertured lug is adapted to pass and a cotter-pin or key for the purpose of securing the free end of the locking-plate.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view showing the practical application of my nut-lock. Fig. 2 is a view showing the manner of connecting the locking-plate to the washer-plate. Fig. 3 is a detail perspective view of the washer-plate. Fig. 4 is a detail view of the locking-plate. Fig. 5 is a view showing the cotter-pin or key. Fig. 6 is a top plan view of a portion of the nut-lock, the web of the rail being shown in horizontal section.

Referring to the drawings, A indicates the meeting ends of two railroad-rails, B the bolts passing therethrough, and C the nuts secured on the ends of said bolts. A washer-plate D is arranged beneath the nuts C, said washer-plate serving as a fish-plate, said washer-plate having a series of bolt-openings D' intermediate its ends and through which the bolts pass. A hook-shaped projection E extends forwardly from the washer-plate D at one end thereof, and a vertically-apertured lug F extends forwardly from the opposite end of the plate, said lug having the horizontal shoulders F'.

G indicates the locking-plate, which is cut away upon the lower side intermediate its ends, as shown at G', and is constructed with an elongated opening G<sup>2</sup> adjacent one end and a square aperture G<sup>3</sup> adjacent the opposite end. The locking-plate G is adapted to be arranged upon the nuts as shown in Fig. 1, and in order to connect the locking-plate to the washer-plate the said locking-plate is first turned to a position substantially at right angles to the washer-plate, so that the hook-shaped lug E will pass freely through the elongated aperture G<sup>2</sup>. The plate G is then turned down and the lug F forced through the aperture G<sup>3</sup>, and a cotter-pin or key H passes through the vertical aperture F<sup>2</sup> of the lug F, and it will be noted that the locking-plate will rest upon the top sides of all the nuts and also against the sides of the end nuts. It will be impossible for the locking-plate to become disengaged, and so long as the locking-plate remains in place it will be impossible for the nuts to turn upon the bolts. The locking-plate can be quickly and easily removed whenever it is desired to remove the nuts.

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

1. A nut-lock comprising a washer-plate having a plurality of bolt-openings intermediate its ends, a hook-shaped projection adjacent one end, and a vertically-apertured projection adjacent the opposite end and a locking-plate having apertures adjacent its opposite ends, one of said apertures being elon-

gated and a pin or key adapted to be passed through the apertured projection, substantially as described.

2. A nut-lock comprising a washer-plate  
5 having a plurality of bolt-openings, a hook-shaped projection adjacent one end, and a vertically-apertured projection adjacent the opposite end, a locking-plate cut away intermediate its ends and having apertures adjacent

its opposite ends, one of said apertures being elongated, and a cotter-pin adapted to be passed through the vertical aperture of the projection carried by the washer-plate, substantially as described.

HENRY C. HOLLIDAY.

Witnesses:

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