

No. 753,117.

PATENTED FEB. 23, 1904.

J. D. BRENT.
NUT LOCK.

APPLICATION FILED NOV. 10, 1903.

NO MODEL.

Fig. 1.

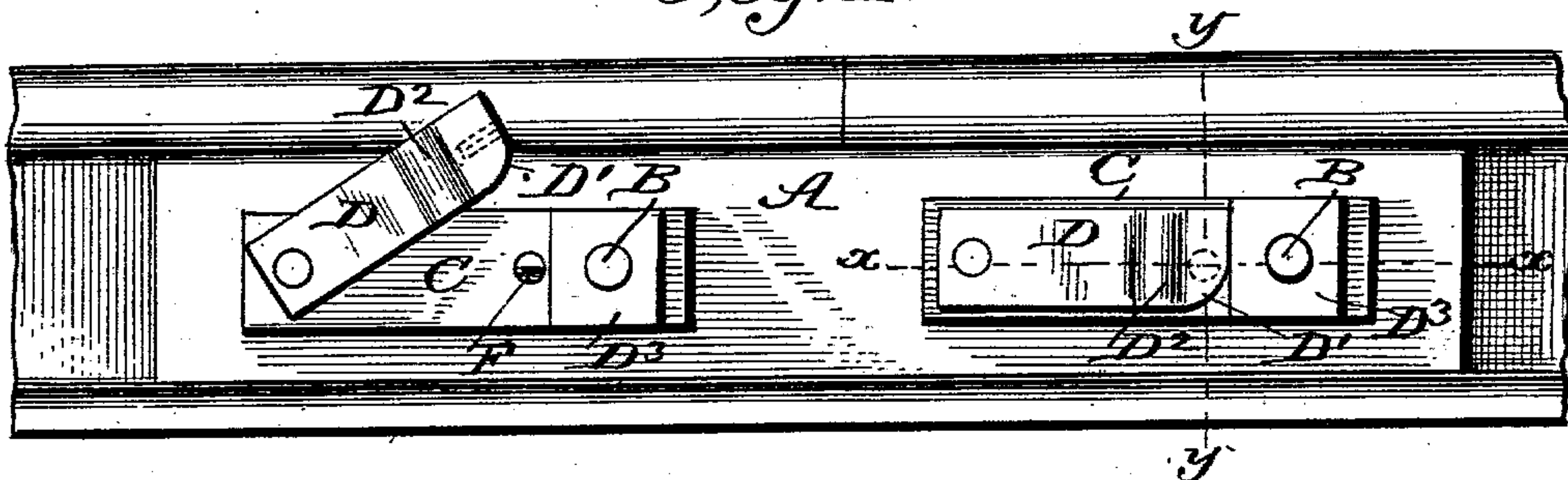


Fig. 2.

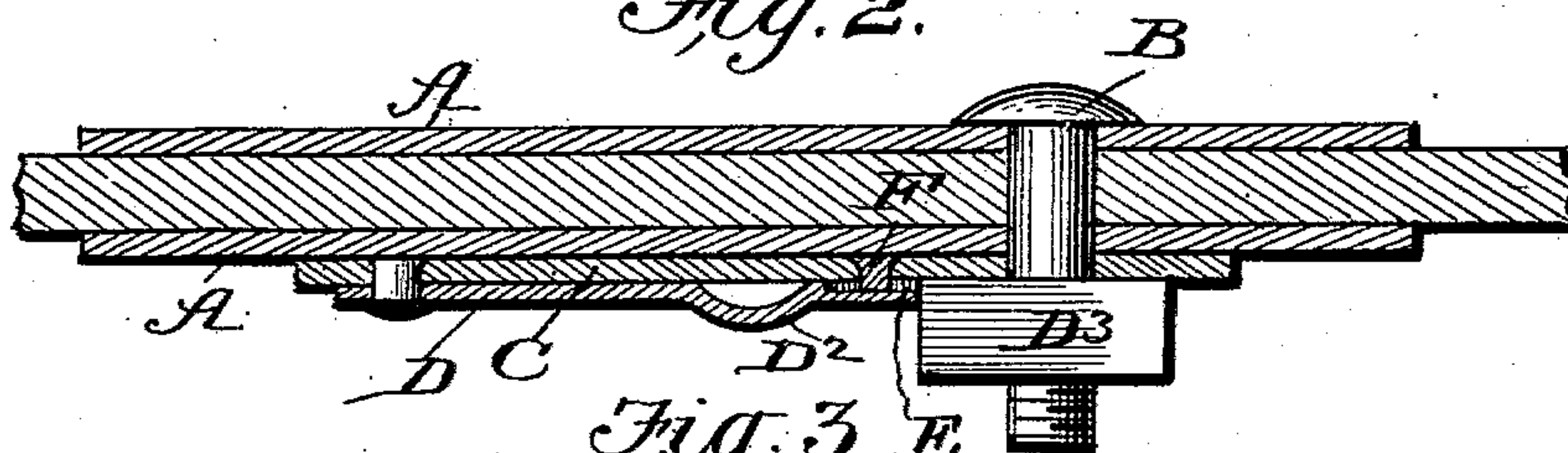


Fig. 3.

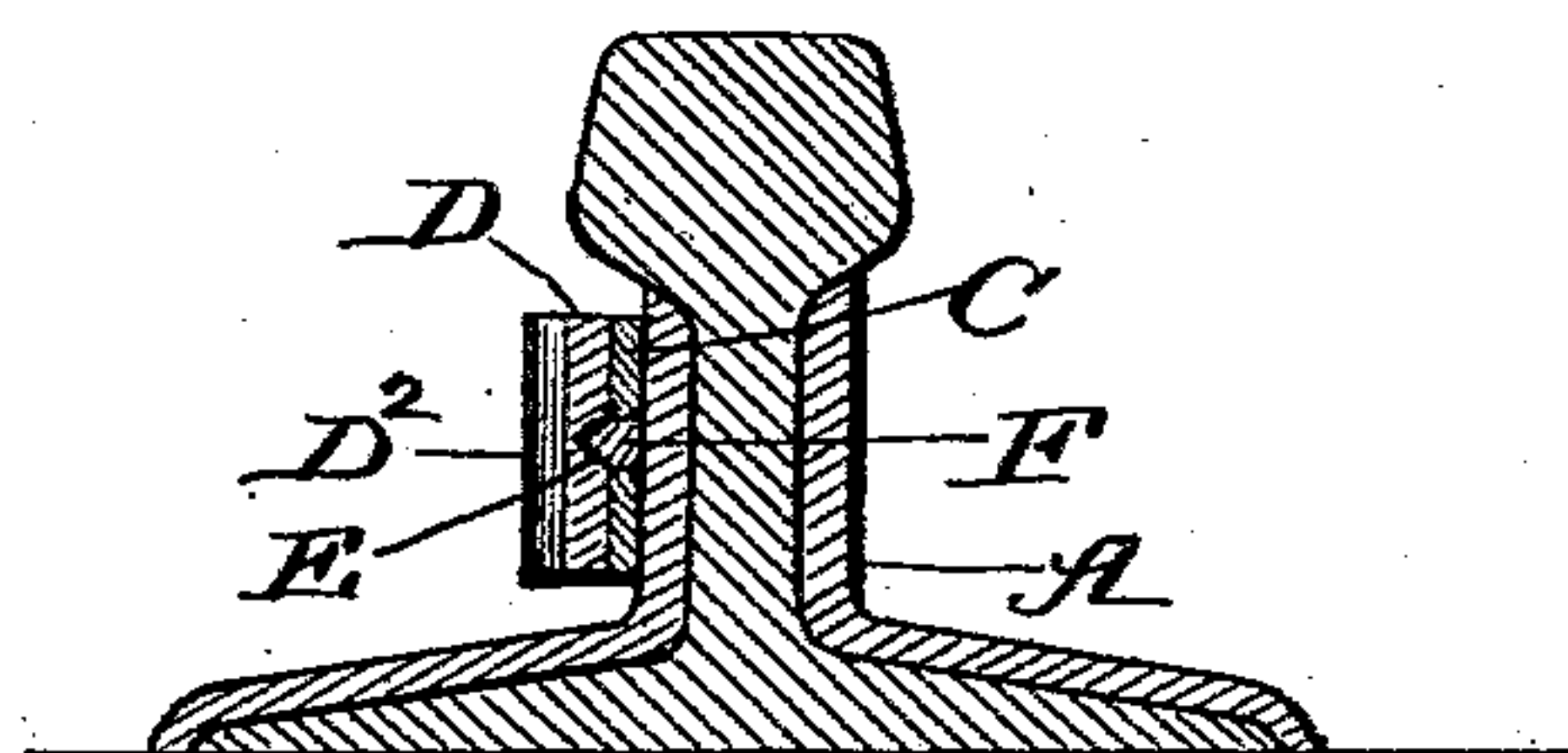


Fig. 4.

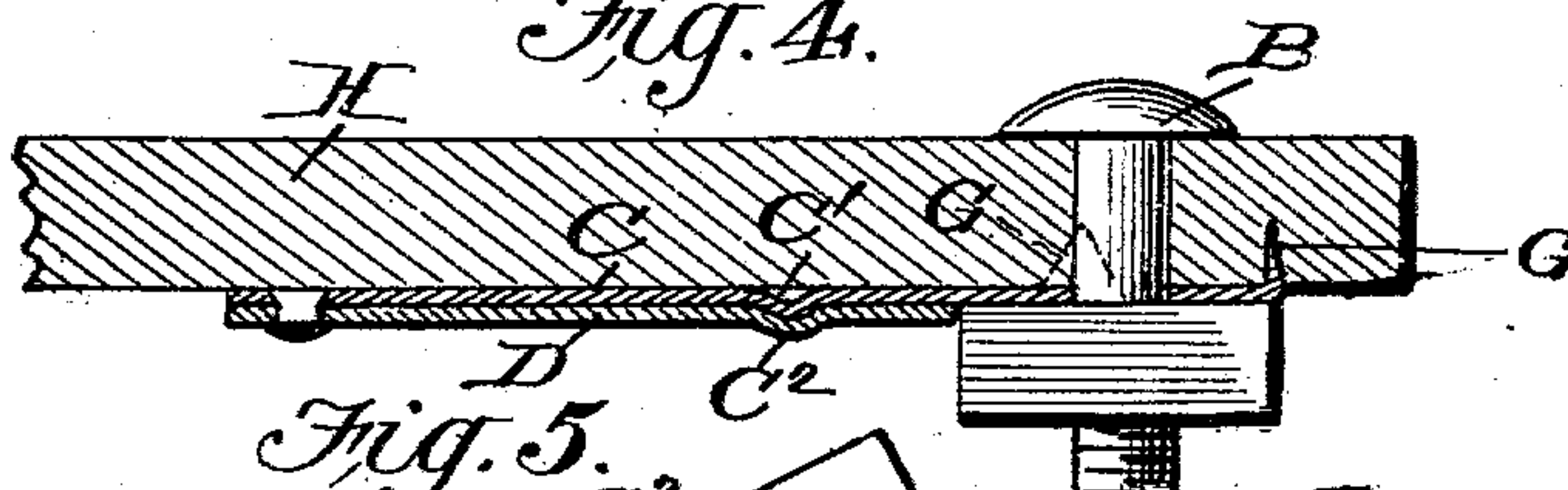
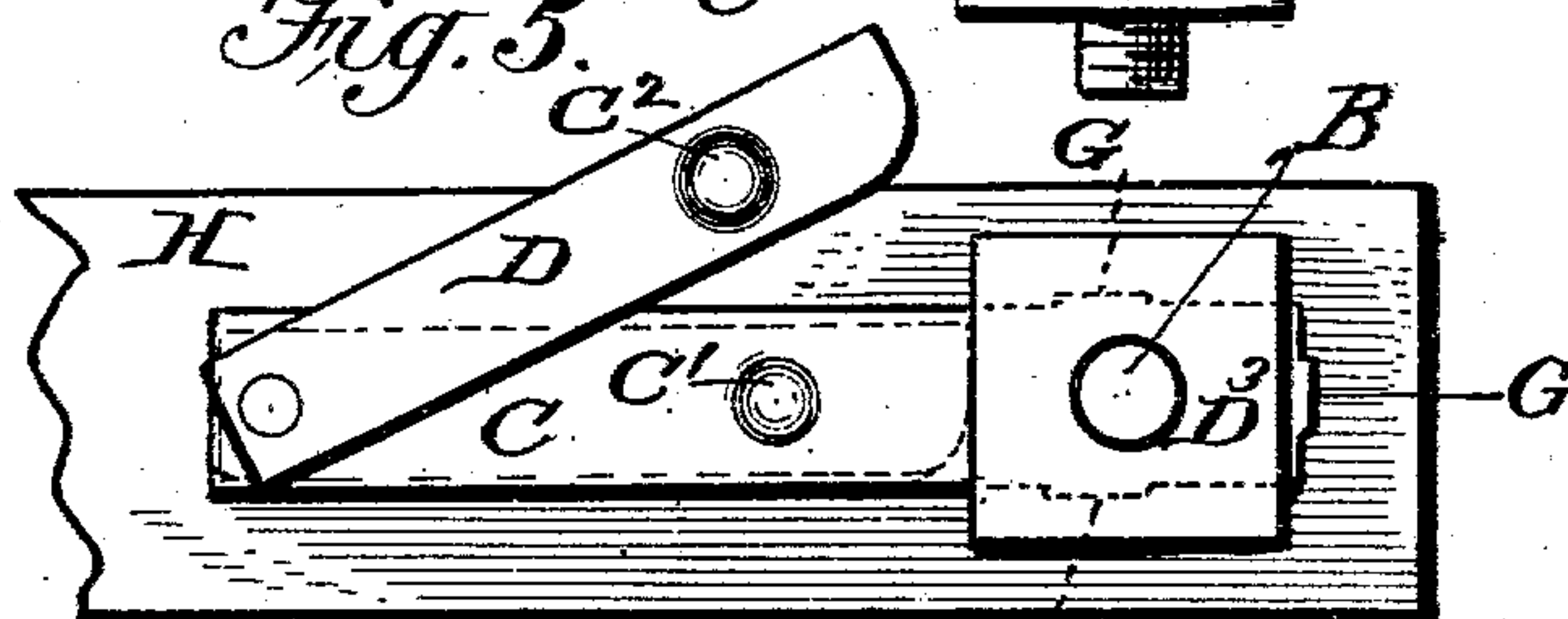


Fig. 5.



WITNESSES:

Jos. A. Ryan
Harrison B. Brown

INVENTOR

Joseph D. Brent.

BY *Munn & Co.*

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOSEPH DENNIS BRENT, OF RAYMOND, MISSISSIPPI.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 753,117, dated February 23, 1904.

Application filed November 10, 1903. Serial No. 180,549. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH DENNIS BRENT, a citizen of the United States, residing at Raymond, in the county of Hinds and State of Mississippi, have invented a new and Improved Nut-Lock, of which the following is a specification.

This invention relates to means whereby a nut may be locked against reverse or unscrewing action on its bolt.

The invention consists of the new and simplified nut-locking means, involving improved construction, arrangement, and combination of parts, which will hereinafter be fully described, and the novel features pointed out in the claim.

Reference is had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a view illustrating my invention in side elevation and showing it in locked and unlocked position. Fig. 2 is a horizontal sectional view taken on line *xx* of Fig. 1. Fig. 3 is a transverse sectional view taken on line *yy* of Fig. 1. Fig. 4 is a longitudinal sectional view showing a modified form of my invention; and Fig. 5 is a plan view in illustration of the modified form, the locking-button being shown in full lines at unlocking position and dotted in locking position.

In the practice of my invention splice-bars A may be employed as commonly used at rail-joints, having perforations therethrough adapted for receiving securing-bolts B.

On the outside of the splice-bars A, I arrange an elongated plate C, having near one end thereof a suitable perforation adapted for receiving the securing-bolt B. To the other end of plate C, I pivotally secure an elongated turn-button D, having its free end curved, as at D'. The free end of the turn-button may be provided with a transverse bend D², adapting it in locking position for yielding engagement with the nut D³. In further carrying out my invention I may provide the

free end of the turn-button on its under side with a groove E, adapted for engagement with any suitable lug F on the plate C.

I do not desire to be limited in the use of my invention to the lug and groove just described, since for many uses the bend D² in the turn-button when in locking position would effect binding action of its free end against the nut D³, and thereby obviate unlocking of the nut by accident or from jarring action. The construction above described may be further modified by providing the securing or bolt end of the plate C with bent teeth, barbs, or the like G to enter suitable depressions in a metal surface or adapted to be driven into a wood base or beam H.

It will be understood that the plate C may be constructed of thin metal with a struck-up projection C, adapted for engagement with a like-shaped depression C² in the turn-button D.

The use of my invention will be understood from the above description. With the turn-button turned down against the nut it is apparent that the latter will be securely locked against reverse turning on its bolt, and while the groove or recess on the turn-button and projection or lug on the plate C is desirable a turn-button having a yielding engaging end so rendered by its bent portion D² will engage the nut with friction sufficient to hold it in locking position.

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

The combination with the bolt and nut, of a perforated plate adapted to receive the bolt, a longitudinally-yieldable spring turn-button on the said plate, a projection on the plate and a recess in the turn-button, substantially as described.

JOSEPH DENNIS BRENT.

Witnesses:

J. A. DOWNING,
H. H. HEARD.