

(No Model.)

J. GORMAN.
NUT LOCK.

No. 584,776.

Patented June 22, 1897.

Fig. 1.

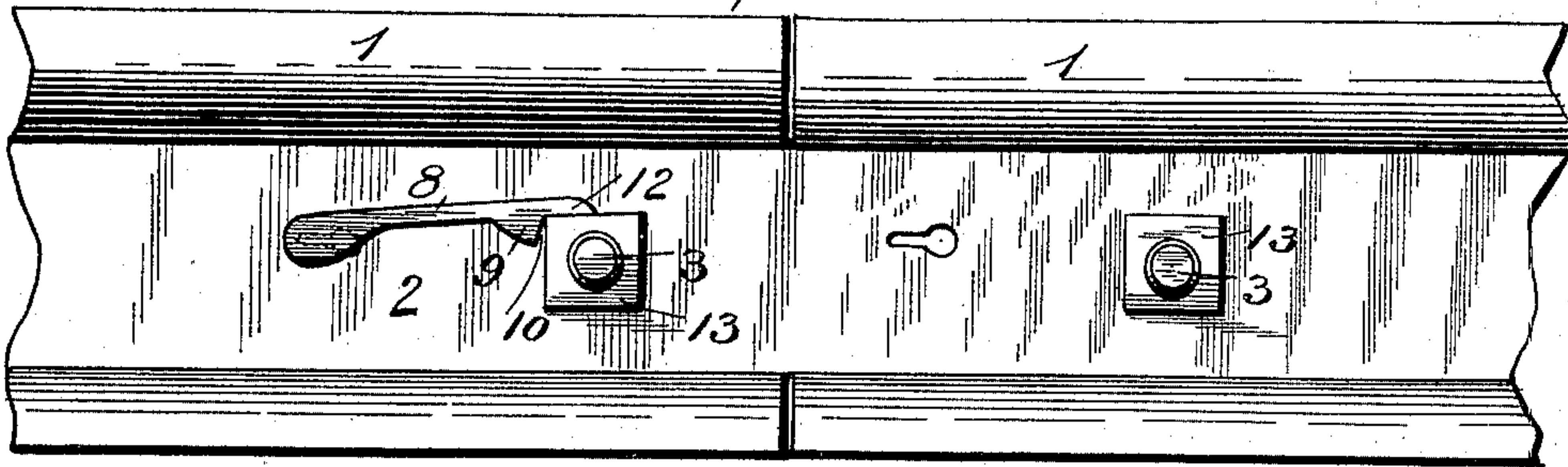


Fig. 3.

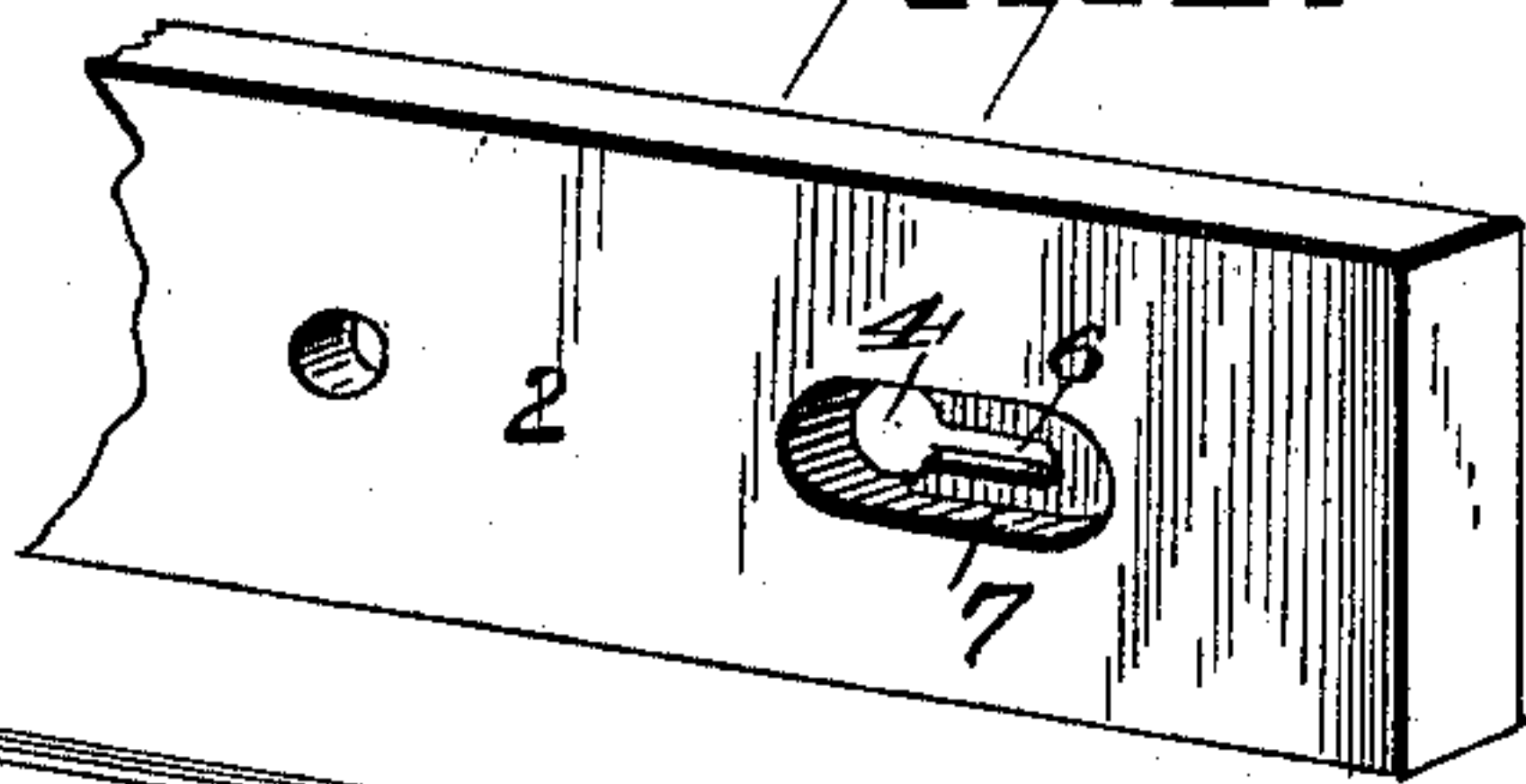


Fig. 2.

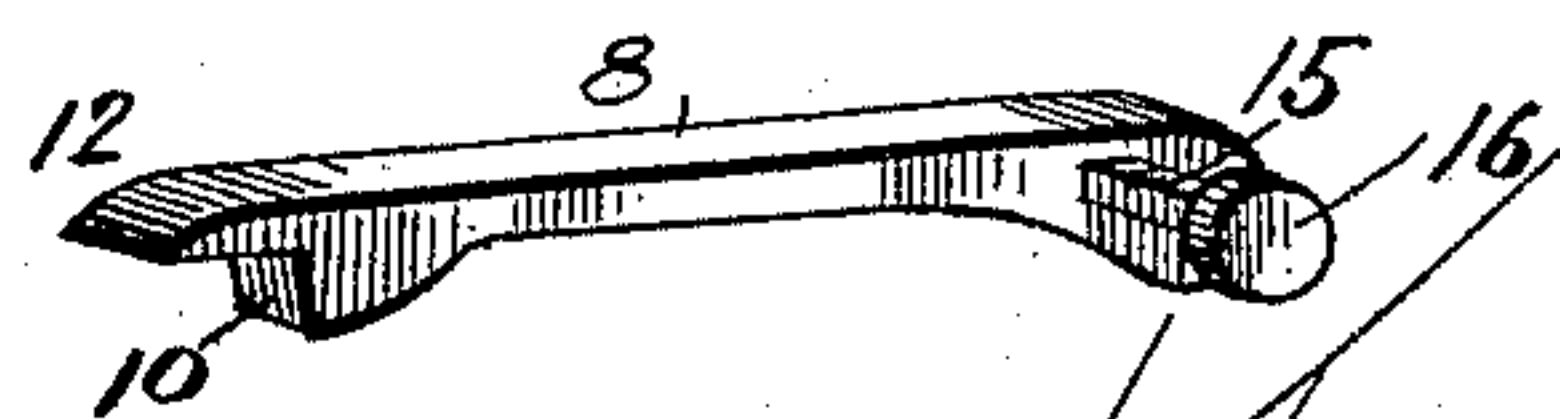
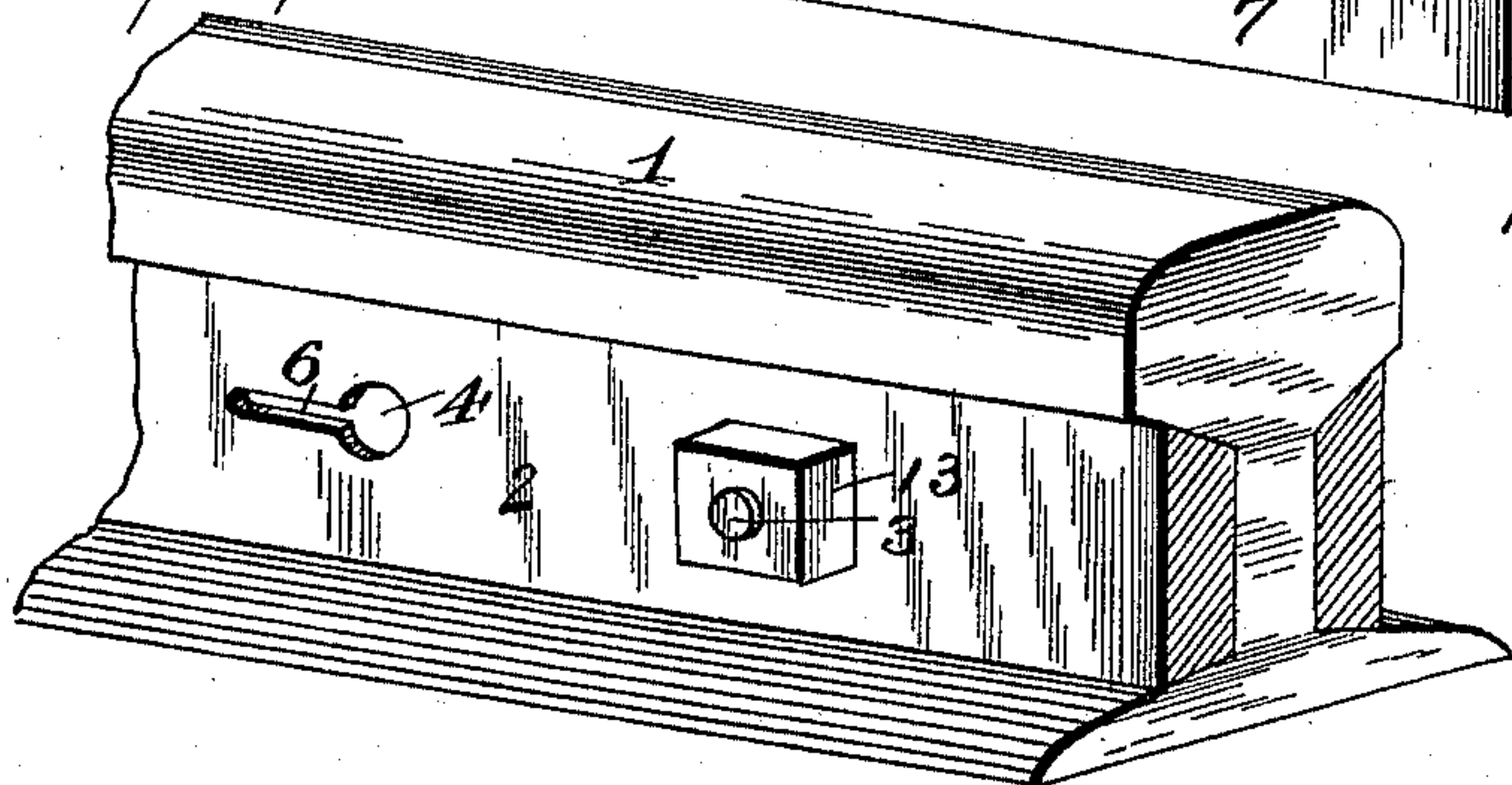
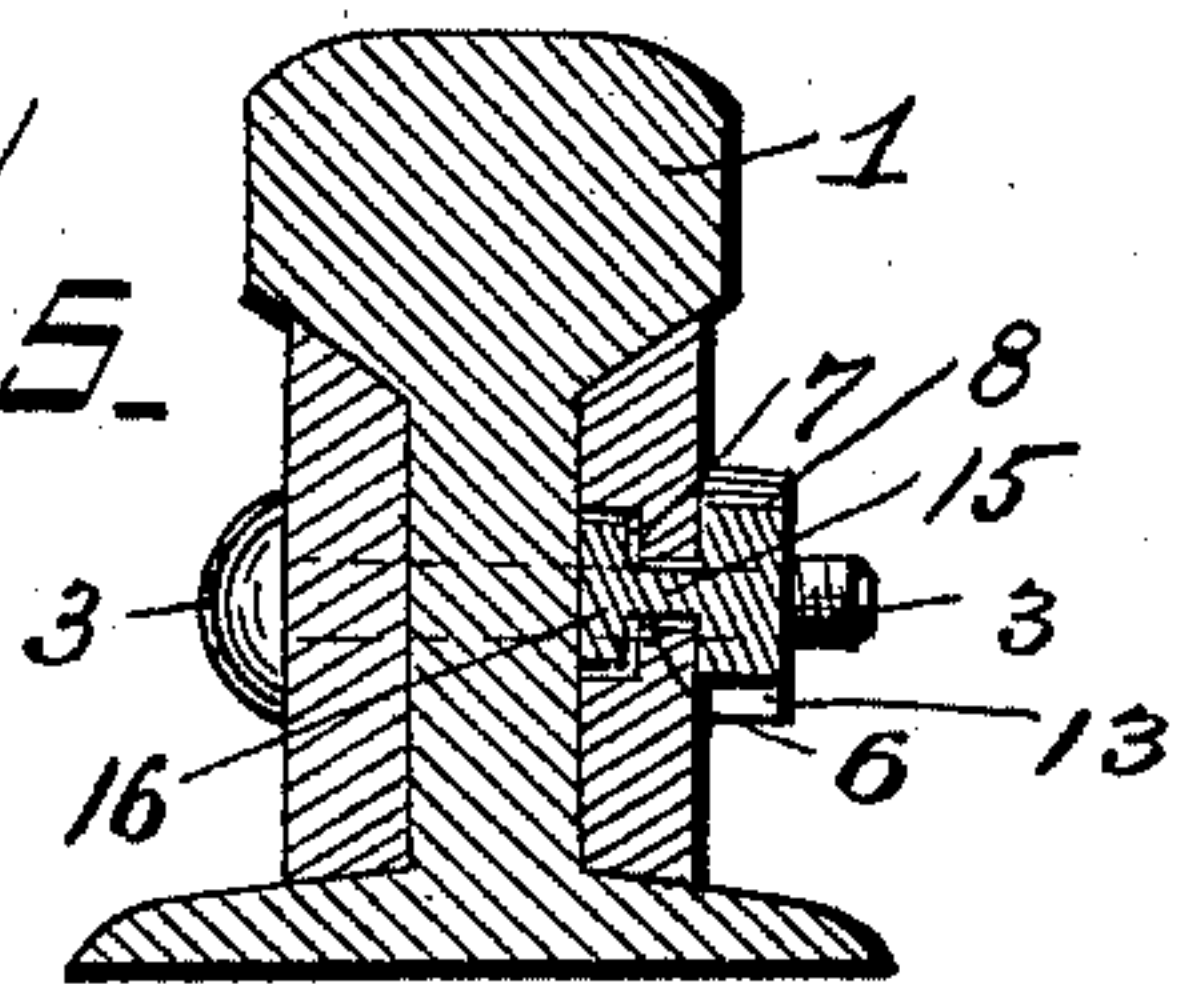


Fig. 4.

Fig. 5.



Witnesses.
Frederick L. Osgood
James H. Jones

Inventor:
John Gorman,
by Louis Baggett & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN GORMAN, OF WENTWORTH, MISSOURI, ASSIGNOR OF ONE-HALF TO
PATRICK JENNETT, OF SAME PLACE.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 584,776, dated June 22, 1897.

Application filed October 5, 1896. Serial No. 607,920. (No model.)

To all whom it may concern:

Be it known that I, JOHN GORMAN, a citizen of the United States, and a resident of Wentworth, in the county of Newton and State of Missouri, have invented certain new and useful Improvements in Nut-Locks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to nut-locks for preventing the backward turning of the nuts upon their bolts, and its object is to provide an improved construction of the same which shall possess superior advantages with respect to efficiency in use.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is an elevation of two railroad-rails and a fish-plate with my improvements applied thereto. Fig. 2 is a perspective view of a railroad-rail and fish-plate, showing the recess in the fish-plate to receive the shank of the locking-bar. Fig. 3 is a detail perspective view of the fish-plate, looking from the inner side. Fig. 4 is a view of the locking-bar detached. Fig. 5 is a transverse section on the line $x x$, Fig. 1.

In the said drawings the reference-numeral 1 designates two railroad-rails of any ordinary or suitable construction, and 2 the fish-plate, provided with suitable bolt holes or openings, through which pass the usual securing-bolts 3. The fish-plate at one side of each bolt-hole is formed with a hole or aperture 4, with an intersecting slot 6 and a recess 7 on the inner side.

The numeral 8 designates a spring-metal locking-bar provided at its free end with a

head 9, the inner end of which is beveled, as seen at 10. The bar at this end is also provided with a lug 12, which engages with a nut 13 on the bolt 3.

At the opposite end the locking-bar is provided with a stud consisting of the rectangular shank 15 and head 16.

In using the device the head 16 is passed through the hole 4 and then pushed backward until the shank 15 abuts against the end of slot 6. By this means the locking-bar is securely attached to the fish-plate, and, being made of spring metal, there will be no movement of the same except what is due to its resiliency. When thus secured in place, the nuts are screwed onto the bolts, when the corners thereof will strike the head of the locking-bar, lifting it up and riding past the beveled end. When the nut is screwed home, one of the corners thereof will engage with said head and the lug of the bar, whereby backward turning of the nut will be prevented.

Having thus fully described my invention, what I claim is—

In a nut-lock, the combination with the fish-plate having an oblong recess in its inner side, a hole or aperture at one end of said recess and a slot intersecting said hole and recess, of the locking-bar of spring metal provided with a rectangular shank at one end and provided with a head engaging with said slot and recess and said bar at the opposite end formed with a beveled head and a lug, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOHN GORMAN.

Witnesses:

JOSEPH E. COBB,
JOHN B. HEIDLAGE.