No. 767,694. PATENTED AUG. 16, 1904.

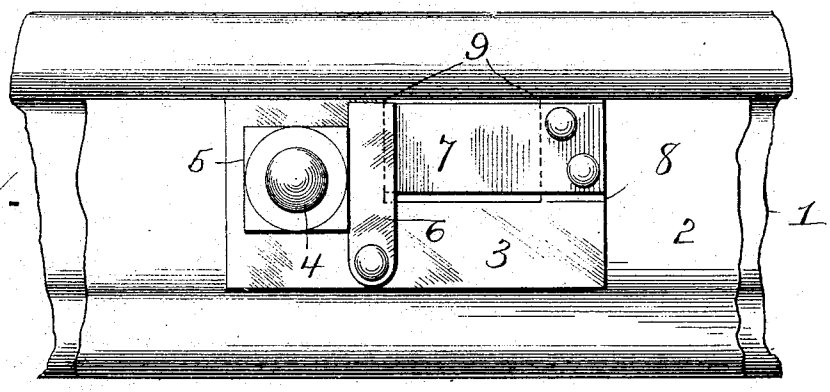
W. JARRELL.

NUT LOCK.

APPLICATION FILED APR. 22, 1904.

NO MODEL.

Fig. 1.



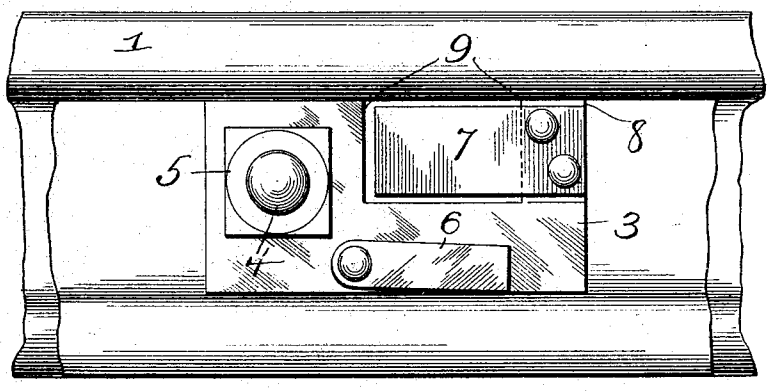


Fig. 2.

Fig. 3.

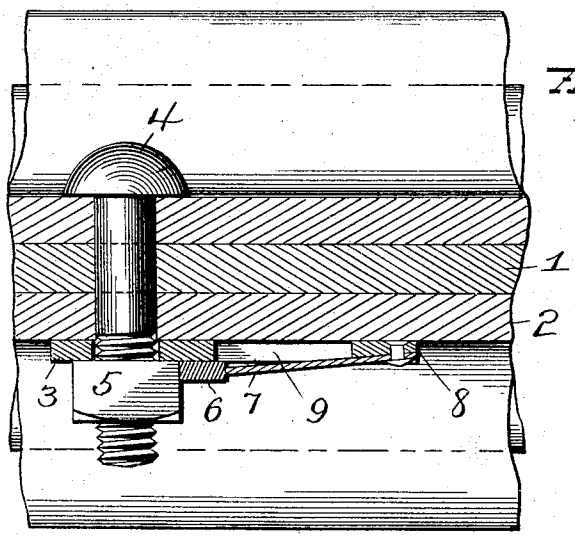
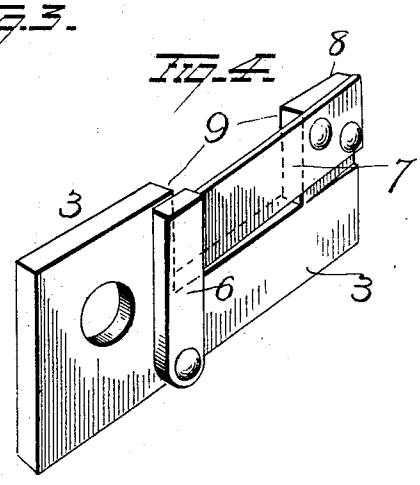


Fig. 4.



WITNESSES

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No. 767,694. Patented August 16, 1904.

UNITED STATES PATENT OFFICE.

WILLIAM JARRELL, OF FORT SMITH, ARKANSAS, ASSIGNOR OF ONE-HALF TO ROBERT A. ROWE AND STYLES T. ROWE, OF GREENWOOD, ARKANSAS.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 767,694, dated August 16, 1904.

Application filed April 22, 1904. Serial No. 204,358. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM JARRELL, a resident of Fort Smith, in the county of Sebastian and State of Arkansas, have invented certain new and useful Improvements in Nut-Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improved nut-lock, the object of the invention being to provide improvements of this character which will securely hold the nut, preventing possibility of its accidental turning, and which will not mar or injure the nut or bolt in any way, but permit its removal and reuse, if desired.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figures 1 and 2 are views in side elevation, illustrating my improvements in locked and unlocked position. Fig. 3 is a horizontal sectional view through the rail and lock devices, and Fig. 4 is a view of the washer-plate removed.

1 represents a railroad-rail, 2 a fish-plate thereagainst, and 3 my improved washer-plate beside the fish-plate.

4 is a bolt passed through openings in rail 1, fish-plate 2, and washer-plate 3 and has an ordinary nut 5 screwed thereon against washer-plate 3 and secured against turning by locking mechanism on plate 3, which will now be described.

Pivotally secured to plate 3 is an arm 6, adapted to lie against a flat face of nut 5 and be held in such position by a flat spring 7, which latter is secured to a beveled portion 8 on plate 3, and the plate is cut away, as shown at 9, beneath the spring to allow the latter to be moved inward and permit arm 6 to swing over the same when the nut is being removed or tightened.

The operation of my improvements is as follows: The washer-plate 3 is placed beside fish-plate 2 and bolt 4 passed through the openings in rail 1, fish-plate 2, and washer-plate 3. Spring 7 is forced inward and arm 6 swung to one side, as shown in Fig. 2, to permit the nut 5 to be freely turned to tighten the same on the bolt. When the nut is screwed home, arm 6 is moved over against a flat side face thereof, when spring 7 will move outward against the side of the arm and prevent any return movement thereof, thereby securely locking the nut and preventing possibility of its accidental turning.

While I have described my improved nut-lock as applied to a rail, it is to be understood that I do not restrict myself to such use, as the lock might be employed for a great many other uses, and I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

Having 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, a pivoted arm on said plate adapted to be swung to a position against a flat side face of a nut, and a flat spring secured to the plate and adapted to spring out behind the arm and hold it in such locking position.

2. A nut-lock, comprising a washer-plate, a pivoted arm on said plate adapted to be swung to a position beside a flat side face of a nut, a flat spring secured to a beveled portion of the washer-plate and normally in position with its end behind the arm to hold it in its locking position, and said washer-plate cut away to permit inward movement of the spring and the swinging of the arm over the spring away from the nut.

3. The combination with a rail, a fish-plate thereagainst, a washer-plate beside the fish-plate, a bolt passed through openings in the rail, fish-plate, and washer-plate, and a nut

screwed onto the bolt against the washer-plate, of an arm pivoted to the washer-plate and located beside the nut, and a spring on the washer-plate having its end in the path of the swinging movement of the arm to secure it against the nut.

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

WILLIAM JARRELL.

Witnesses:
F. L. JOINER,
J. W. JOINER.