

(No Model.)

J. R. JONES, F. HOISINGTON & A. L. WILLIAMS.
Nut Lock.

No. 238,506.

Patented March 8, 1881.

FIG. 1.

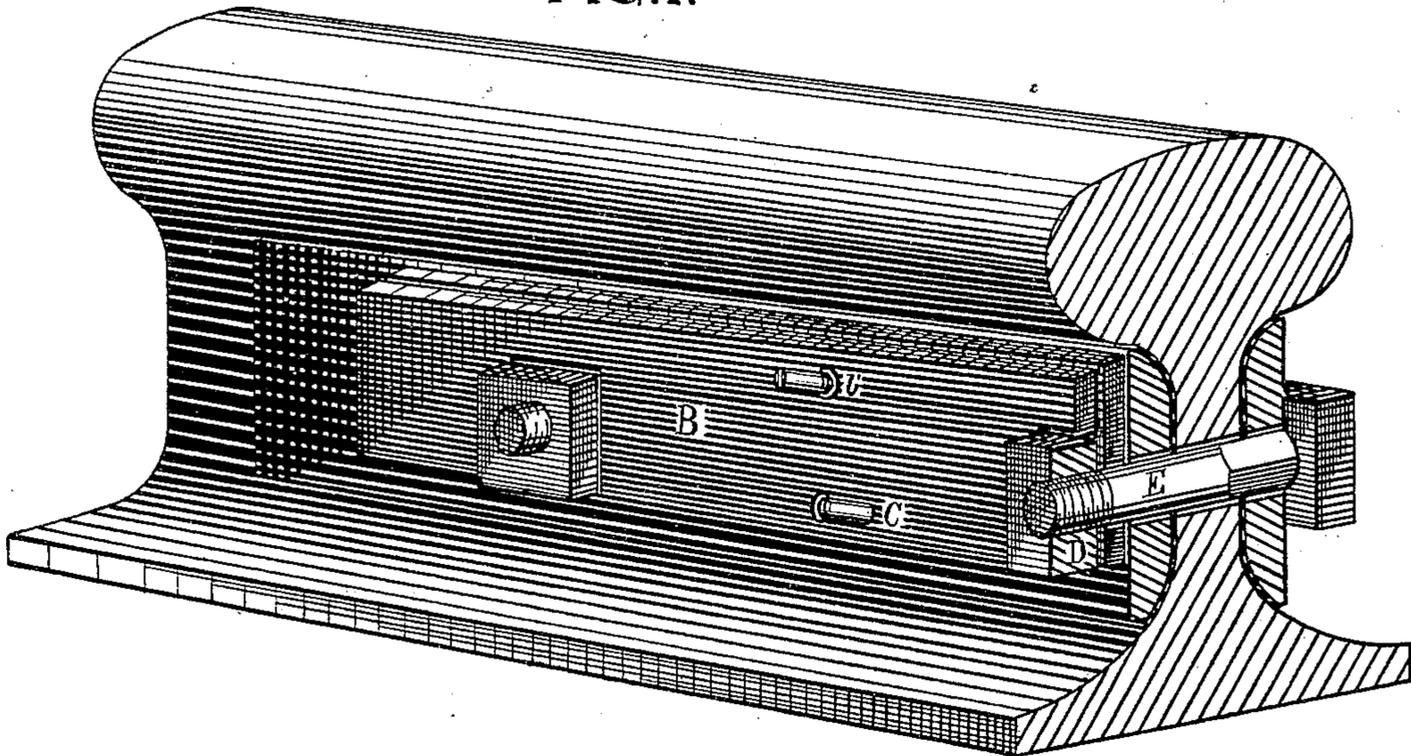


FIG. 2.

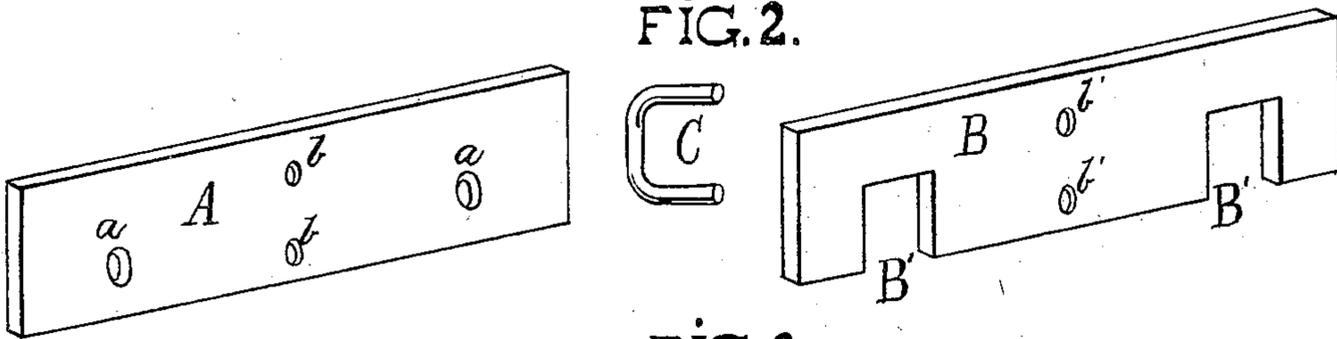
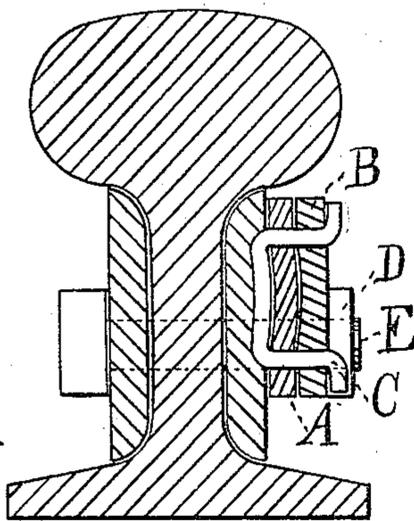


FIG. 3.



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WITNESSES

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NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 238,506, dated March 8, 1881.

Application filed May 20, 1880. (No model.)

To all whom it may concern:

Be it known that we, JOSIAH R. JONES, FREDERICK HOISINGTON, and ANDERSON L. WILLIAMS, citizens of the United States, residing at North Lewisburg, in the county of Cham-
paign and State of Ohio, have invented certain new and useful Improvements in Nut-Locks, of which the following is a specification.

This invention relates to that class of nut-locks in which are employed, in combination with the fish-bar, a plate to pass over the nuts of the bolts and a locking device for the purpose of preventing the nuts being displaced.

Our improvement consists in providing the under or washer plate with a suitable number of perforations, through which pass the bolts and locking-staple, and the upper or locking-plate formed with perforations for the staple, which correspond with the perforations in the washer-plate, and with a suitable number of rectangular openings, which fit over the edges of the nuts and prevent them from turning and becoming loose.

It also consists in securing the plates to each other by means of a staple, the ends of which are bent over the locking-plate, all as will be hereinafter more fully described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of a railroad-rail embodying our invention. Fig. 2 are detailed perspective views of the plates A B and staple C. Fig. 3 is a vertical cross-section.

A on the annexed drawings is the washer-plate, formed with perforations *a a*, through which pass the ends of the bolts E. This plate A is also provided with smaller perforations *b b* near its center, to receive a staple, C.

The locking-plate B is provided with rectangular openings *B'*, one of the sides of which I prefer to leave open, as shown. These openings are of a corresponding size to the nuts to be secured. The plate B is also provided with perforations or staple-holes *b' b'*, which correspond in position with similar perforations, *b b*, in the washer-plate A.

When the bolts E have been inserted in the fish-plate and rail, the plate A, in which the

staple C has been previously inserted, is placed upon the bolts E, and the nuts D screwed home, the plate A thus forming a washer, which holds the staple C firmly in place. The nuts E of the bolts are locked by adjusting the plate B over the washer-plate A, the ends of the staple C passing through the perforations *b' b'*, and the notches *B'* over the nuts E. The ends of the staple are then bent horizontally or vertically upon the plate B by any suitable instrument, thus holding the plate B securely in place and effectually locking the nuts.

Though having shown our invention applied to a railroad-rail joint, it is evident that it can be efficaciously and cheaply applied to other devices where it is desirable to secure nuts against displacement.

No broad claim is made in this application for a staple, *per se*, as a fastening device, nor do we claim the combination of a fish-bar, a locking-plate, and a staple as our invention.

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

Jointly with the rails, fish-plates, or other plates adjacent and attached thereto, and the bolts and nuts, a nut-locking bar provided with notches or mortises for inclosing or embracing the edges of two or more nuts, and a bent rod or staple of which the bow portion passes behind, and whose limbs pass outward therefrom and through the fish-plate or other adjacent plate, and also through the nut-locking bar, which latter it holds firmly in place by having the ends of its limbs bent over against the surface of the said bar, as set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

JOSIAH R. JONES.
FREDERICK HOISINGTON.
ANDERSON L. WILLIAMS.

Witnesses:

WILLIAM B. KISER,
E. SHURETT.