

J. C. & A. G. JENKINS.
NUT LOCK.
APPLICATION FILED FEB. 18, 1912.

1,056,686.

Patented Mar. 18, 1913.

Fig. 1.

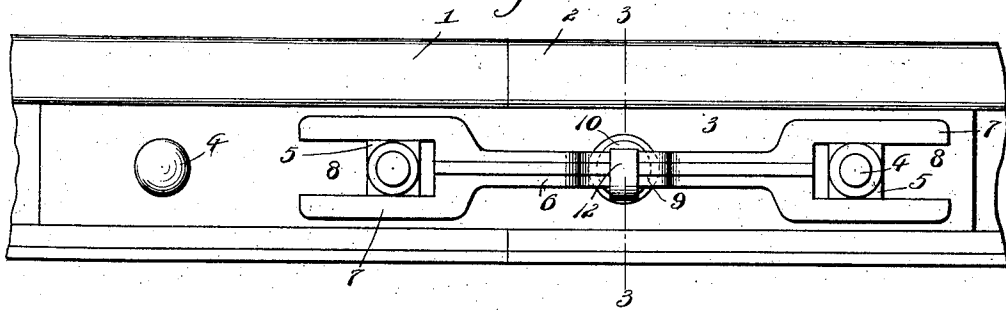


Fig. 2.

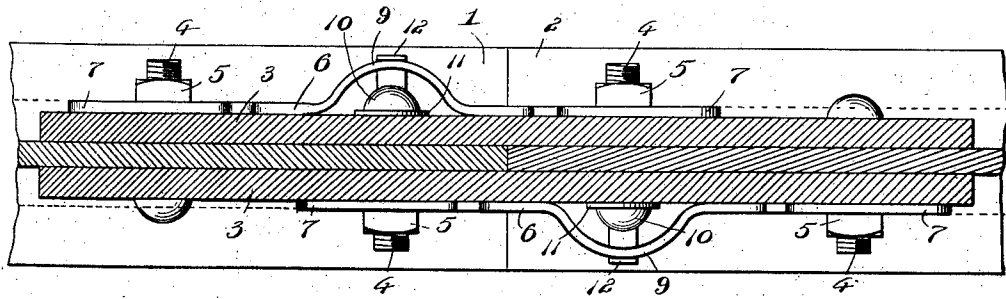


Fig. 3.

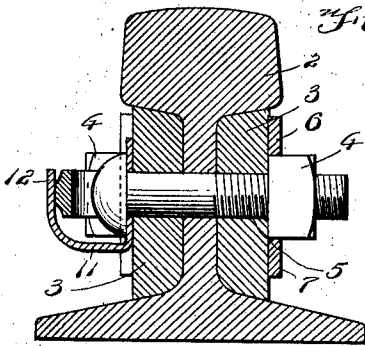


Fig. 5.

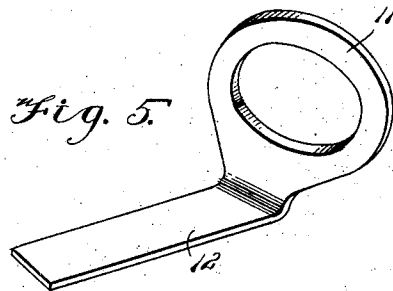
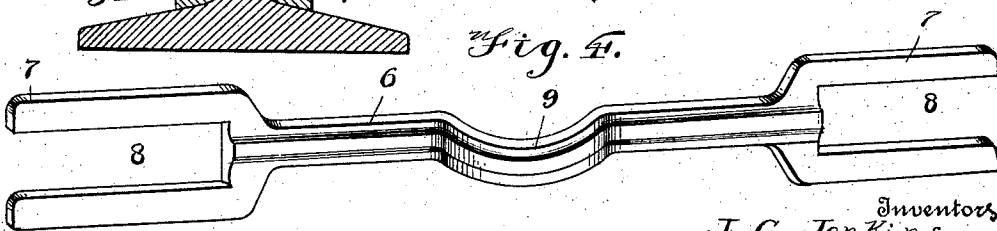


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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NUT-LOCK.

1,056,686.

Specification of Letters Patent.

Patented Mar. 18, 1913.

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To all whom it may concern:

Be it known that we, JESSE C. JENKINS and ALBERT G. JENKINS, citizens of the United States, residing at Philippi, in the county of Barbour and State of West Virginia, have invented new and useful Improvements in Nut-Locks, of which the following is a specification.

This invention relates to nut locks, the same being designed with special reference to rail joints, the object in view being to provide a nut lock for the purpose set forth, which will insure the nuts and bolts being held securely in the rail joint, causing the same to remain perfectly tight at all times, and thereby greatly increasing the life of the rail joint, as a whole, as well as of the bolts and nuts associated therewith, and effecting a great saving in labor and time as compared with the present construction of railroads, in which it is found necessary to employ a large force of trackmen, whose sole duty is to keep the rail joints in a safe condition.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts, as will be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claim hereunto appended.

In the accompanying drawings: Figure 1 is a side elevation, showing the improved nut lock applied to a rail joint. Fig. 2 is a longitudinal horizontal section through the same. Fig. 3 is a vertical cross section on the line 3—3 of Fig. 1. Fig. 4 is a detail perspective view of the locking bar. Fig. 5 is a detail perspective view of the washer and its tongue.

In the drawings, we have illustrated an ordinary rail joint, in which 1 and 2 designate the rail ends, 3 the fish plates, 4 the bolts, and 5 the nuts, all of said parts being constructed and combined in the usual well known manner.

In carrying out the present invention, we employ at each side of the rail joint a locking bar 6, somewhat greater in length than the distance between three of the bolts, and this locking bar is provided with expanded or widened extremities 7 which are recessed,

as shown at 8, to embrace and engage the opposite parallel faces of the adjacent nuts, as shown in Fig. 1, said recesses being shown in the form of open slots extending inward from the extremities of the expanded portions of the locking bar. It is also preferred to make the slots of sufficient length to accommodate any variation in the location of the bolts in rail joints of different sizes.

The central portion of each of the locking bars is laterally offset, as shown at 9, so as to pass around the intermediate bolt head, shown at 10. In connection with the intermediate bolt, we employ a washer 11 which is provided with a radially extending tongue 12. This washer is held between the fish plate and the head of the bolt, and the tongue 12 thereof is adapted to be bent over the outside and to bear against the outer face of the central offset portion 9 of the locking bar. This effectually prevents displacement of the locking bar and insures said locking bar being retained in locking engagement with the nuts embraced by the slotted extremities thereof. The offset central portion 9 of each of the locking bars also forms a handle for manipulating the locking bar in placing the same in proper position to the nuts on the rail joint. After this is accomplished, the tongue 12 is bent over the outside of the offset 9, in a manner illustrated in Fig. 1, by means of a hammer, sledge, or similar implement.

What is claimed is:

A nut lock for rail joints, comprising a locking bar having end slots to receive the nuts of alternate bolts, and a central outwardly extending offset adapted to extend around and laterally beyond the intermediate bolt head, and a washer held behind said intermediate bolt head and having a bendable tongue designed to extend outside of the central offset of the locking bar to retain the latter in position.

In testimony whereof we affix our signatures in presence of two witnesses.

JESSE C. JENKINS.
ALBERT G. JENKINS.

Witnesses:

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LEROY V. HOLSBERRY,