

(No Model.)

A. EDWARDS.
NUT LOCK.

No. 526,996.

Patented Oct. 2, 1894.

Fig. 1.

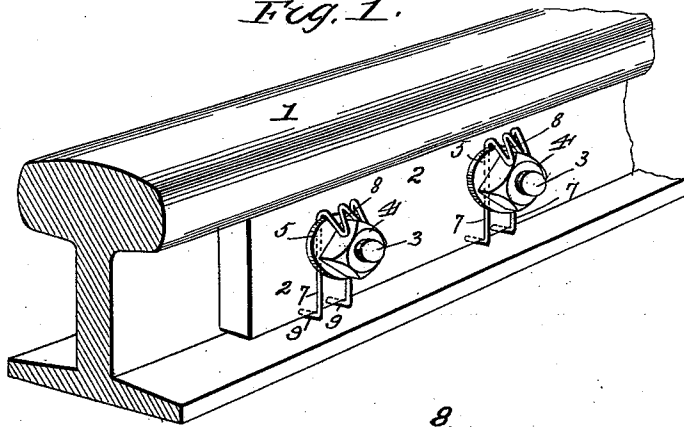


Fig. 2.

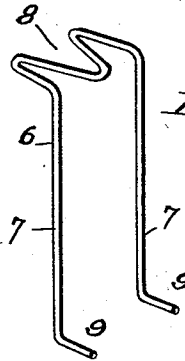
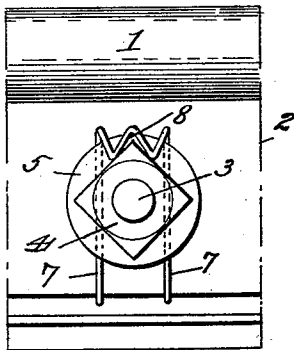


Fig. 3.

Fig. 4.

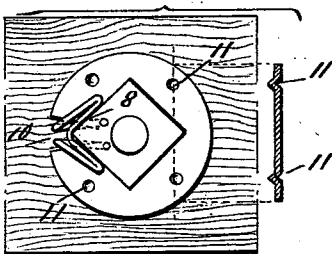
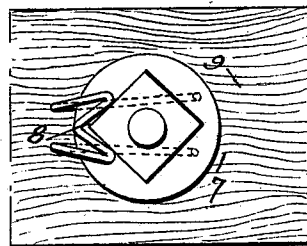


Fig. 5.



Witnesses

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ARTHUR EDWARDS, OF WILLOW SPRINGS, MISSOURI.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 526,996, dated October 2, 1894.

Application filed July 7, 1894. Serial No. 516,848. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR EDWARDS, a citizen of the United States, residing at Willow Springs, in the county of Howell and State of Missouri, have invented certain new and useful Improvements in Nut-Locks, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to a new and improved nut lock, and it has for its object to provide a device of simple construction adapted for use on nuts employed in metal or wood work.

15 The invention consists in bending a short piece of wire upon itself to form a U-shaped loop and then bending the center of the closed end of the loop inwardly to form a V-shaped recess, which, when in position, receives the corner of the nut, the arms of the device being clamped under the nut or washer, all of which are hereinafter fully set forth.

Referring to the drawings:—Figure 1 is a perspective view of a portion of a railroad 25 rail and fish plate showing my lock in position; Fig. 2, an elevation of the lock in position; Fig. 3, a detail perspective of the lock detached; and Figs. 4 and 5 details showing the lock applied to wood work.

30 Referring to the various parts by numerals, 1 designates a portion of a railroad rail; 2, the fish-plate secured thereto; 3, the bolts securing the fish-plate to the rail; and 4 and 5, the nuts and washers on said bolts.

35 The locking device consists of a section of malleable (preferably copper) wire, of a suitable thickness and length to suit the character of the work, which is bent upon itself to form a loop 6, the arms 7—7 thereof being 40 separated sufficiently to pass on either side of the securing bolt. The center of the closed end of the loop is bent inwardly, that is, toward the open end thereof, forming a V-shaped recess 8 therein. This recess is of a 45 suitable depth and is adapted to receive a corner of a nut. The closed end of the loop is bent at right-angles to the arms thereof, the length of the right-angle portion being equal to or slightly greater than the length of 50 the recess 8, as shown in Fig. 3. The free ends of the arms 7—7 are also bent at right-angles to the main part thereof to form the short

lugs or points 9—9. These lugs project in a direction opposite to the right-angled portion at the closed end of the loop.

55 The operation is as follows:—The device is placed under the washer, the arms 7—7 passing on either side of the bolt, as shown clearly in the drawings. The points or lugs 9 engage under the lower edge of the fish- 60 plate and prevent the locking-device turning on the bolt. It is manifest that the free ends of these arms may be bent to engage any projection of the machine or device on which the lock is used; and as shown in Figs. 4 and 65 5 they may be forced into the wood, when used on wood work, either by the action of the nut or they may project beyond the washer and be driven in by a tap of a hammer. When the lugs or points 9—9 are prop- 70 erly placed and the nut is secured home, the right-angled portion having the recess 8 formed in it is forced over the nut to lock it, the recess 8 receiving one corner thereof, as described.

75 As shown in Fig. 4 the washer, if desired, may be formed with a recess 10 in its edge to receive the ends of the arms 7 adjacent the recess 8 to prevent the washer turning; and inwardly extending projections 11 may 80 be formed in the washer to engage the surface against which it is clamped to aid in securing the washer in position.

It will be seen that I provide a nut lock exceedingly simple in construction which 85 may be used in various positions and on all classes of work.

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

1. A nut lock consisting of a wire section 90 bent upon itself to form a loop, the V-shaped recess 8 formed therein and adapted to engage the nut, the free ends of the arms of the loop being adapted to be bent in any desired direction to engage a fixed portion of the de- 95 vice supporting it to prevent the lock turning on the bolt, substantially as described.

2. A nut lock consisting of a wire bent upon itself to form a U-shaped loop, a V-shaped recess formed in the closed end of 100 said loop, said closed end being adapted to be bent over the nut to lock it, the V-shaped recess engaging one corner thereof, the free ends of the arms of the loop being adapted

to engage the device supporting it and prevent the lock turning on the bolt, substantially as described.

3. A nut lock consisting of a wire bent to
5 form a U-shaped loop, a V-shaped recess
formed in the closed end of said loop, said
closed end being bent at right angles to the
arms of the loop and adapted to be bent down
over the nut as described, the free ends of the
10 arms of the loop being adapted to be bent in
any direction, substantially as described and
for the purpose set forth.

4. A nut lock consisting of a wire bent to

form a U-shaped loop, recess 8 formed there-
in, the free ends of the arms of the loop be- 15
ing adapted to be bent as described, in com-
bination with a washer provided with a re-
cess 10 and projections 11, substantially as
described and for the purpose set forth.

In testimony whereof I affix my signature in 20
presence of two witnesses.

ARTHUR EDWARDS.

Witnesses:

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J. H. FONTAINE.