

(No Model.)

W. COKAYNE.
NUT LOCK.

No. 482,518.

Patented Sept. 13, 1892.

Fig. 1.

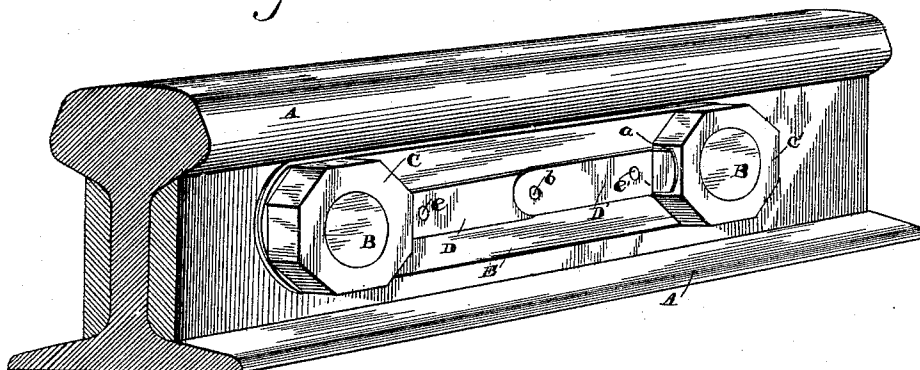


Fig. 2.

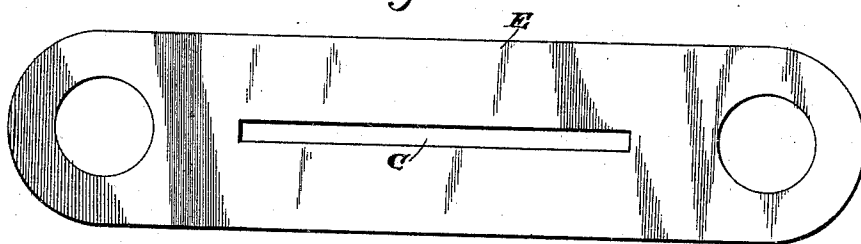
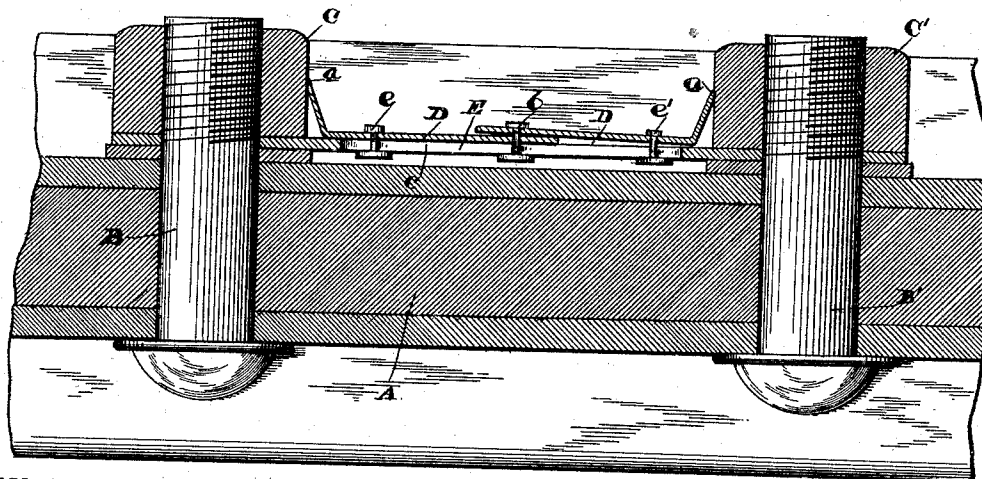


Fig. 3.



Witnesses

T. S. Bell.

J. R. Harding

Inventor

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By his Attorneys,

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UNITED STATES PATENT OFFICE.

WILLIAM COKAYNE, OF SEDALIA, INDIANA, ASSIGNOR OF ONE-THIRD TO
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NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 482,518, dated September 13, 1892.

Application filed May 31, 1892. Serial No. 435,023. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM COKAYNE, a citizen of the United States, residing at Sedalia, in the county of Clinton and State of Indiana, have invented a new and useful Nut-
Lock, of which the following is a specification.

My invention relates to that class of inventions known as "nut-locks," and has for its object to provide an efficient device for the purpose which shall be strong and durable in use and cheap in first cost.

With this object in view my invention consists in certain details of construction, arrangement, and combination of parts, all of which will be more fully described hereinafter and the specific points of novelty in which will be pointed out in the appended claims.

Referring to the drawings, Figure 1 is a perspective view. Fig. 2 is a detail view of the slotted plate. Fig. 3 is a central longitudinal section.

Like letters of reference indicate like or corresponding parts in the several views of the drawings.

A designates the track-rail, B B' the bolts, and C C' the nuts for said bolts.

E is a locking-plate, of spring metal, circularly perforated at each end, as shown, to slip over and slip upon the neck of the bolts B B' and under the nuts C C', (see Fig. 1,) said plate E having a central longitudinal rectangular slot *c* of predetermined length in line with and intermediate of the nuts C C', which are held in a locked position by the two spring locking-plates D D', respectively provided at their outer ends with a vertically-upturned tongue *a*, which abuts against the adjacent face of the nut C or C', as the case may be. This tongue does not stand in a strictly perpendicular line or plane, but inclines obliquely forward sufficiently to permit it to spring in or out against the nut in order to accommodate variations in the latter, as will be readily understood.

The adjacent ends of the locking-plates D D' are pivotally joined by a rivet-pin *b*, secured in the slot *c* of the plate E by its flanged or headed lower extremity, thus preventing any lateral displacement of the pivot-pin, but permitting longitudinal motion. The other

ends of locking-plates D D' are prevented from swinging laterally by means of rivet-pins *e e'*, respectively passing through said ends and fastened into slot *c* by thin flanged lower extremities, similarly to the rivet-pin *b*.

My invention operates as follows: Plate E is slipped in position over bolts B B'. The nuts C C' are then screwed on. When the plate E is first put on, rivet-pins *e e'* are in place; but the rivet-pin *b* is not yet headed, so that locking-plates D D' are free to slip back and forth in slot *c*, and when nuts C C' are properly secured the locking-plates D D' are jammed up in place with tongues *a a* against the sides of the nuts and then the rivet *b* is headed, thus rigidly holding locking-plates D D' in the same horizontal plane, the slot *c* acting as the locking medium for the locking-plates.

The lock can be easily opened by exerting a combined outward and upward force with a suitable tool under the center of the plate E, thus springing it and the locking-plates D D'.

Having thus described my invention, what I claim is—

1. In a nut-lock, the combination, with a plurality of nuts and bolts, of a longitudinally-slotted plate fitting over the said bolts and connecting a pair of the same and a plurality of spring locking-plates movably secured in the slot of the slotted plate at their forward ends and pivotally secured together at their rear or abutting ends in said slot, substantially as described.

2. In a nut-lock, the combination, with the rail A, bolts B B', and nuts C C', of the connecting-plate E, fitting over any two adjacent bolts and having a central longitudinal slot *c* for the locking-plates, the locking-plates D D', secured in said slot, the rivet-pin *b*, joining the rear extremities of said locking-plates, and the rivets *e e'*, holding said locking-plates in said slot, as specified.

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

WILLIAM COKAYNE.

Witnesses:

H. B. COLLINS,
L. M. GROVER.