

(Model.)

M. BARRON.

NUT LOCK.

No. 346,185.

Patented July 27, 1886.

Fig. 1.

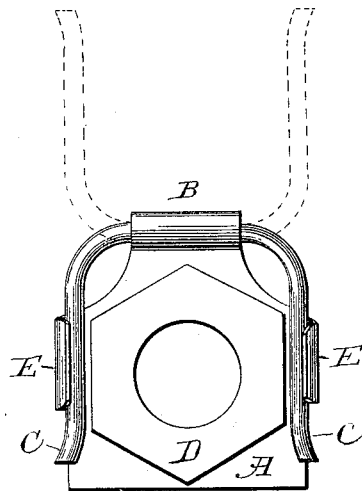
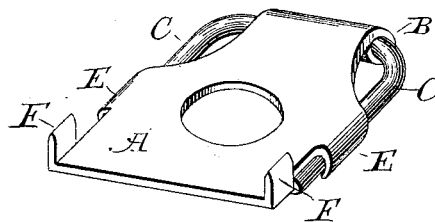


Fig. 2.



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MARCELLUS BARRON, OF ADDISON, NEW YORK.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 346,185, dated July 27, 1886.

Application filed December 2, 1885. Serial No. 184,517. (Model.)

To all whom it may concern:

Be it known that I, MARCELLUS BARRON, of Addison, in the county of Steuben and State of New York, have invented an Improved Nut-
5 Lock, of which the following is a specification.

My invention relates to an improvement in nut-locks; and it consists in the combination, with a locking-plate or washer having ears or catches at its sides, of a yoke which is hinged
10 to one side of the washer, and is provided with arms adapted to bear upon opposite sides of the nut, and thereby lock the latter in place on the bolt, the said arms engaging and being secured by the ears or catches on
15 the washer or locking-plate, as will be more fully set forth hereinafter, and particularly pointed out in the claims.

The object of my invention is to provide a nut-lock adapted to secure the nut firmly on
20 the bolt, and thus prevent the nut from working loose on the bolt, a further object of my invention being to provide a device for readily releasing the nut when it is desired to take it from the bolt; and these objects I attain by
25 the arrangement and combination of devices hereinafter described.

In the drawings, Figure 1 is a top plan view of a nut-lock embodying my improvements. Fig. 2 is an inverted perspective view of the
30 same.

A represents the locking-plate or washer, which is provided with a central opening, through which the bolt passes. From the under side of the plate A, at one end of the same,
35 project engaging-studs F, the function of which is to enter the object against which the plate is secured and become embodied therein, so as to secure the plate firmly against rotation with the nut. One end of the plate is bent or
40 curved so as to form a sleeve, B', in which is pivoted the central portion of a U-shaped locking-yoke, C, the said yoke being thereby hinged to one end of the said plate and adapted to be turned against the plate, as shown in
45 solid lines in Fig. 1, or to be moved outwardly therefrom, as shown in dotted lines in the said figure. Opposite sides of the plate A are bent to form projecting ears or catches E, which are concave on their inner sides and thereby
50 adapted to engage and retain the arms of the yoke. The latter is made of steel or other re-

silient metal, and the tendency of the arms of the yoke is to normally diverge. The outer ends of the arms of the yoke are bent outwardly, as shown, and thus caused to project
55 slightly beyond the sides of the plate A, thus rendering it easy to grasp the said arms, in order to press them inwardly to disengage them from the ears or catches E.

D represents the nut, which bears against
60 the face of the plate A when it is screwed home on the bolt, as shown in Fig. 1. In order to lock the said nut on the bolt, it is only necessary to turn the arms of the yoke so as to cause them to bear upon the face of the plate and
65 engage with the ears or catches E. This causes the said arms to bear against opposite sides of the nut, thereby effectually preventing the latter from working loose on the bolt, and as the arms of the yoke are caught and retained
70 by the ears or catches E of the plate it will be readily understood that the yoke is prevented from accidentally releasing the nut.

I am aware that it has been heretofore proposed to construct a nut-lock comprising the
75 plate and the yoke pivoted or hinged thereto, to engage the sides of the nut, and this, broadly, I disclaim. This device differs from my invention, inasmuch as I provide my plate with ears or catches E on its sides to secure
80 the arms of the yoke, and thus prevent the latter from moving outwardly from the plate and disengaging the nut.

If the device is to be used for locking the nuts on the bolts used to secure railway-rails
85 together, I dispense with the projections F, and prevent the plate A from rotating by causing its lower edge to bear against the upper side of one of the lower laterally-extending flanges of the rail.

Having thus described my invention, I
90 claim—

1. The combination, with the plate A, having the ears or catches on opposite sides, of the yoke C, hinged or pivoted to the said plate,
95 and having the arms adapted to extend on opposite sides of the nut and engage with the ears or catches E, for the purpose set forth, substantially as described.

2. The combination, in a nut-lock, of the
100 plate A, having the ears or catches E on opposite sides, and the sleeve B, with the yoke

C, having the spring-arms bent outwardly at their outer ends, the said yoke being pivoted or hinged to the plate by means of the sleeve B, which encompasses the central connecting
5 portion of the yoke, the arms of the said yoke being adapted to engage the ears or catches E, substantially as described.

3. The combination, in a nut-lock, of the plate A, having the sleeve B and the ears E
10 formed integrally therewith, and the yoke

having its central portion encompassed by the sleeve B, and thereby pivoted or hinged to the plate, the said yoke being provided with spring-arms adapted to extend on opposite sides of the nut and engage the ears E, for the
15 purpose set forth, substantially as described.

MARCELLUS BARRON.

Witnesses:

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