(No Model.)

A. D. HOLLAND.

NUT LOCK.

No. 266,476. Patented Oct. 24, 1882.

Fig. 1.

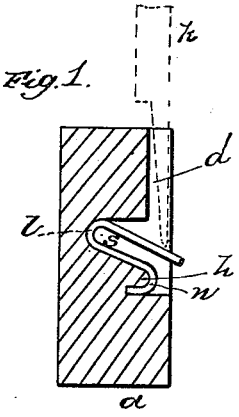


Fig. 2.

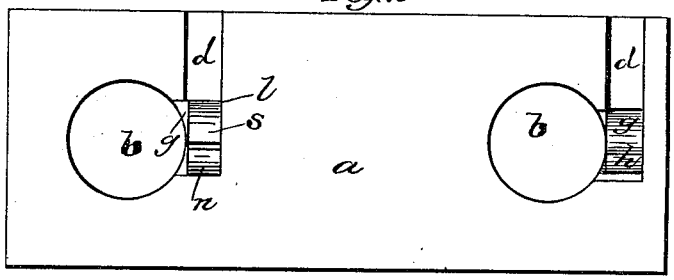


Fig. 3.

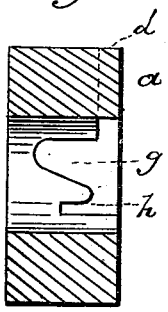


Fig. 4.

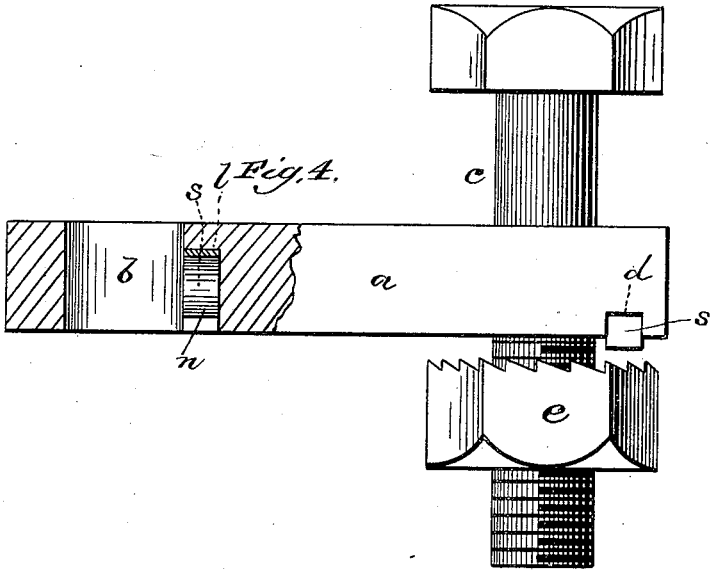
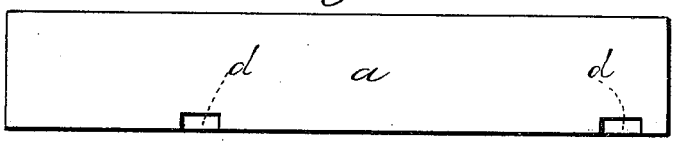


Fig. 5.



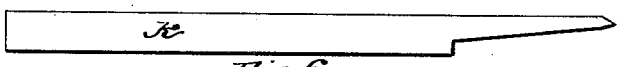


Fig. 6.

WITNESSES

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his ATTORNEYS

UNITED STATES PATENT OFFICE.

ANDERSON D. HOLLAND, OF NEWPORT, ARKANSAS.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 266,476, dated October 24, 1882.

Application filed July 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, ANDERSON D. HOLLAND, a citizen of the United States, resident at Newport, in the county of Jackson and State of Arkansas, have invented a new and valuable Improvement in Nut-Locks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a vertical cross-sectional view. Fig. 2 is a side view. Fig. 3 is a horizontal section. Fig. 4 is a plan view, partly in section. Figs. 5 and 6 are detail views.

This invention has relation to nut-locks; and it consists in the novel construction and arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claims appended.

In the accompanying drawings, the letter *a* designates the base bar or plate, which is cast in circular, square, or elongated form. For railroad use this plate is preferably oblong, and is provided with two or more perforations, *b*, for the passage of the coupling-bolts *c* of the track. When the plate is designed to be applied to a single bolt it can be made in circular or square form, and should have projections or ribs on its under surface to engage the surface against which it bears to prevent slipping. In the outer face of the plate is formed a straight flat channel, *d*, tangent to the perforation *b* and extending out to the margin of the plate, to provide an opening and passage for the insertion of a flattened key, *k*, between the plate and the nut *e*, which is placed thereon, engaging the bolt *c*. In the bottom of the channel *d* is formed an oblique recess, *g*, extending downward at the side of the perforation *b*, and at the inner end of the channel is formed as an offset to said recess a notch-bearing, *h*. In the recess is seated the reversely-bent portion *l* of a spring, *s*, which extends upward and inward obliquely, its upper end projecting a little above the general surface of the plate. The spring is provided at the end of the reverse bend *l* with a short angular arm, *n*, which, when the reverse bend is sprung into position in the recess-seat *g*, bears against the offset-notch *h* and holds the spring in firm position against the pressure of the under surface of the nut *e*. The nut is designed to be radially serrated on its under side, and the angular direction of the engaging end of the spring *s* is backward and upward with reference to the open end of the channel *d*, so that when the nut is applied to the threaded end of the bolt and turned up the serrations will pass readily over the yielding end of the spring. When, however, the nut is in position it will be prevented from turning backward by the engagement of the spring with one of the serrations on its under side.

In order to disengage the spring, so as to permit the nut to be loosened, the key *k* is introduced into the channel *d* and pressed back in between the plate *a* and the under surface of the nut until it engages the inclined face of the spring, pressing it down toward the channel and effecting a disengagement from the base of the nut.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The perforated base-plate having a channel, *d*, tangent to the perforation, a recess, *g*, therein, and the oblique spring *s*, having a reverse bend, *l*, terminating in an angularly-bent arm, *n*, said bend seated in the recess of the plate and said arm engaging an offset-notch of said recess, substantially as specified.

2. The combination, with the spring *s*, having the reverse bend *l* and angular arm *n*, and the under serrated nut, *e*, of the perforated plate *a*, its open-end channel *d* tangent to the perforation, the recess *g*, and offset-notch *h*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ANDERSON D. HOLLAND.

Witnesses:
LAZAR HIRSCH,
RUFUS L. BROWN.