(No Model.)

B. F. SKILES & J. H. MAUST.

NUT LOCK.

No. 589,309. Patented Aug. 31, 1897.

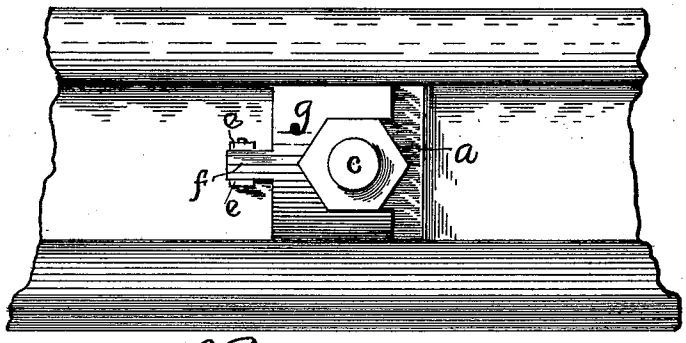


Fig. 1.

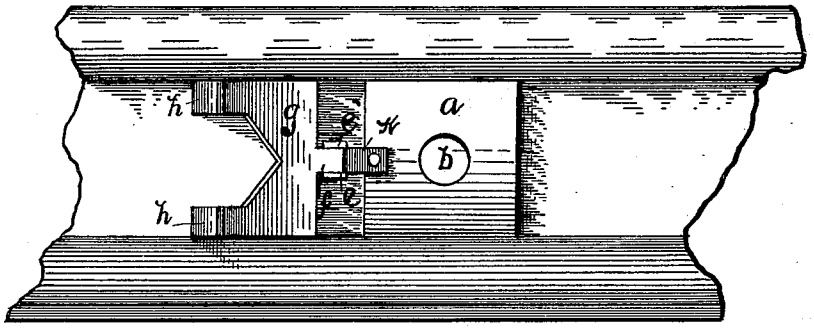


Fig. 2.

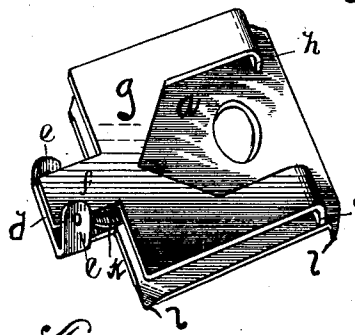


Fig. 4.

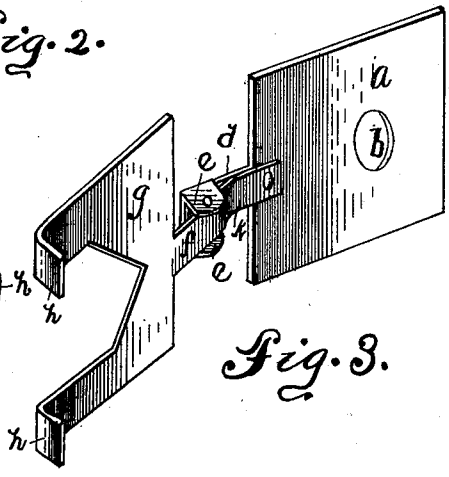


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

BENJAMIN F. SKILES AND JACOB H. MAUST, OF ALLEGHENY, PENNSYLVANIA.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 589,309, dated August 31, 1897.

Application filed January 23, 1897. Serial No. 620,493. (No model.)

To all whom it may concern:

Be it known that we, BENJAMIN F. SKILES and JACOB H. MAUST, citizens of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, 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.

This invention relates to certain new and useful improvements in nut-locks, and has for its object to construct a nut-lock that will be particularly adapted for use in locking the nuts on railways, though the same may be readily employed in various other connections where it is desired to securely lock the nut in position.

The invention aims to construct a nut-lock that will be extremely simple in its construction, strong, durable, effectual in its operation, and comparatively inexpensive to manufacture; furthermore, to construct a nut-lock having a fastening-clamp that may be readily moved from engagement with the nut in order to turn same on its bolt when so desired.

Still further objects of our invention reside in the novel construction, combination, and arrangement of parts to be hereinafter more specifically described, and particularly pointed out in the claims, and in describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout the several views, in which—

Figure 1 is a front view of our improved nut-lock, showing same in the holding position. Fig. 2 is a view showing the locking-clamp open. Fig. 3 is a perspective view of the nut-lock in the open position and as constructed when employed on iron, steel, and the like. Fig. 4 is a perspective view of a modified form showing projecting points to engage in the wood when the lock is employed in such a connection.

Referring now to the drawings by reference-letters, *a* indicates the plate forming the washer, said plate being provided with a central aperture *b* to receive the bolt *c*, said plate being also provided with an outwardly-extending arm *d*, having upwardly-projecting lugs *e e*, in which is journaled the arm *f* of the securing-clamp *g*, said securing-clamp being provided with a cut-away portion to receive the nut, and the ends of said clamp being turned downward, forming lugs *h h*, which engage the washer or plate *a*. Rigidly secured to this washer in front of the lugs *e e* is a spring *k*, which engages the end of the arm *f* of the securing-clamp and holds the same in the open or closed position, as the case may be.

In Fig. 4 we have shown the washer *a* provided on its underneath face at the four corners with projecting points *l l*, which engage the wood when the lock is employed in this connection and prevent the washer from turning.

The operation of our improved nut-lock will be readily observed from the illustration shown herewith, it being noted that the washer *a* is placed over the nut, and when the said nut has been tightened to the desired position the securing-clamp is forced over same and prevents the nut from turning in either direction. When it is desired to remove the nut, the securing-clamp is forced back from its engagement with the nut, and the same is then free to be moved as desired.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of our invention.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a nut-lock, a plate having an opening to receive the bolt to form a washer, said plate having an extension carrying lugs or ears bent at right angles to the extension, a plate forming the lock, provided with a cut-away portion to engage the nut, and downwardly-extending lugs to engage the washer, said plate having an extension pivotally connected to the lugs or ears, and a spring to hold the locking-plate into operative engagement with the nut, substantially as shown and described.

2. In a nut-lock, the plate *a*, having the

opening *b*, to receive the bolt, extension *d*, carrying lugs or ears *e*, in combination with the plate *g*, provided with a cut-away portion to engage the nut, downward extensions *h*, extension *f*, pivotally engaging the lugs or ears *e* of plate *a*, and spring *k*, adapted to hold plate *g* in operative engagement with the nut, substantially as shown and described.

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

BENJAMIN F. SKILES.
JACOB H. MAUST.

Witnesses:
H. C. EVERT,
GEO. B. PARKER.