

No. 750,466.

PATENTED JAN. 26, 1904.

F. P. KOENIG.
NUT LOCK.

APPLICATION FILED AUG. 31, 1903.

NO MODEL.

Fig. 1

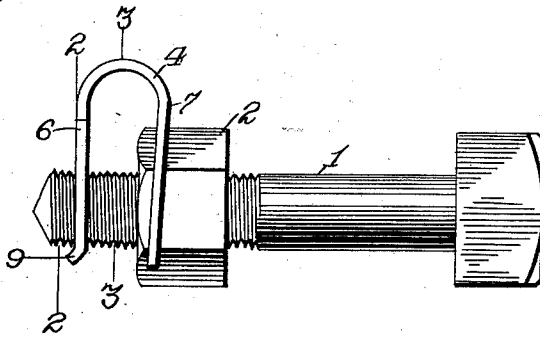


Fig. 2

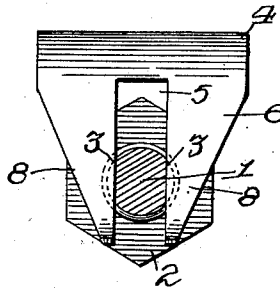
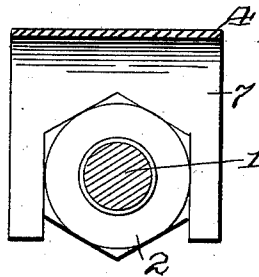


Fig. 3



Witnesses

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UNITED STATES PATENT OFFICE.

FRANK P. KOENIG, OF LOWER ST. CLAIR TOWNSHIP, ALLEGHENY COUNTY, PENNSYLVANIA.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 750,466, dated January 26, 1904.

Application filed August 31, 1903. Serial No. 171,362. (No model.)

To all whom it may concern:

Be it known that I, FRANK P. KOENIG, a citizen of the United States, residing in Lower St. Clair township, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Nut-Locks, of which improvement the following is a specification.

This invention relates to certain new and useful improvements in nut-locks.

The object of this invention is to provide a nut-lock which will be cheap to manufacture and highly efficient in operation.

A further object in this invention is to provide a nut-lock which may be applied to any bolt and nut now in use by simply cutting slots in the sides of said bolt.

With the above and other objects in view my invention resides in the novel combination and arrangements of parts, as will be hereinafter more fully described, and then specifically pointed out in the claims.

In describing the invention in detail reference will be had to the accompanying drawings, forming a part of this application, in which like reference-numerals indicate like parts throughout the several parts, in which—

Figure 1 is a side elevation of my improved nut-lock in an operative position. Fig. 2 is a sectional view taken on the line 2 2 of Fig. 1. Fig. 3 is a sectional view taken on the line 3 3 of Fig. 1.

Referring to the drawings, the reference-figure 1 indicates the bolt, and 2 the nut, which is threadably mounted thereon. The bolt 1 has provided adjacent to its outer end, on either side thereof, the cut-away portions or slots 3 3, and the nut-lock 4, which is formed of a strip of metal bent upon itself, as clearly shown in Fig. 1, has the slot 5 provided in the portion 6 thereof, said slot being of just sufficient width to pass through the slots 3 3, formed in the bolt 1.

The portion 7 of the locking member 4 is cut away, so that the same will fit over and hold the nut 2, as indicated in Fig. 3. It will be noted by this construction that the locking member 4 will be prevented from turning by the slot 5 in the portion 6 engaging the slots 3 3 in the bolt 1, and the portion 7 engaging

the nut 2 will thus prevent the nut from turning on the said bolt.

In order that the part 4 may be readily secured against displacement, the portion 6 thereof is gradually tapered, as indicated by 8 8, and when the same is in place the lower end thereof may be bent over, as indicated by 9 in Fig. 1. By this means the part 4 will be rigidly secured against displacement, as will be readily seen by referring to the drawings.

While I have herein described my invention in detail, it will be noted that any metal may be used and various other slight changes may be made without departing from the general spirit of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patents, is—

1. In a device of the character described a combination with the nut, of a bolt, slots formed on opposite sides adjacent to the outer end of said bolt, metallic plate substantially U-shaped, a slot formed in one portion of said plate, the other portion of the plate being cut away to conform to the exterior contour of the nut, tapering side to the parts in which the slot is formed whereby the ends thereof may be bent over after the said slot engages the slot and the bolt, substantially as and for the purpose described.

2. In a nut-lock, a combination with the nut, of the bolt, cut-away portions formed in the opposite sides of the bolt adjacent to the outer end thereof, a metallic U-shaped part, one portion of said part being cut away to conform with the exterior contour of the nut, a slot formed in the other portion of said part, said slot being adapted to engage the slots formed in the bolt, the said portion in which the said slot is formed being cut on a taper whereby the ends thereof may be readily bent when the said part is in position on the bolt, substantially as described.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

FRANK P. KOENIG.

In presence of—

H. J. LEVIS,
MAX. W. KURNIKER.