

J. W. TABOR.  
NUT LOCK.

APPLICATION FILED OCT. 28, 1911.

1,062,514.

Patented May 20, 1913.

Fig. 1.

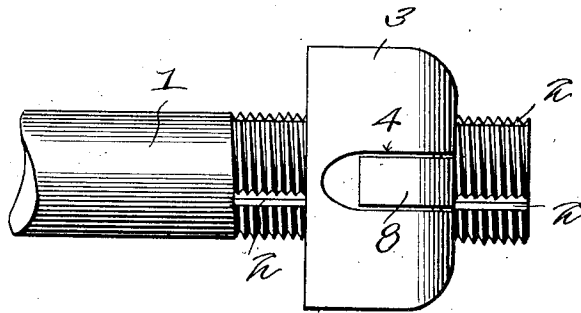


Fig. 2.

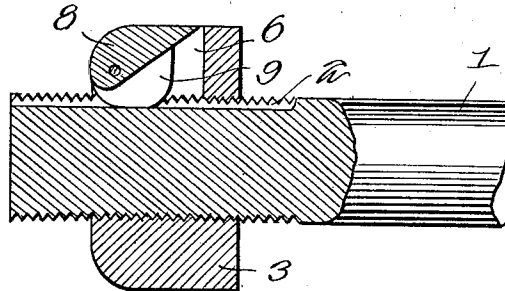


Fig. 3.

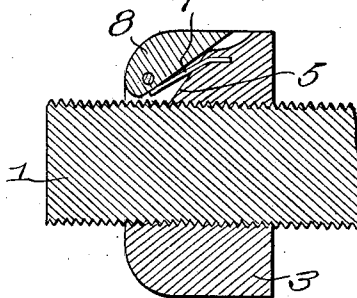
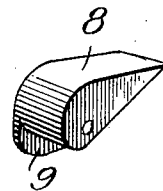


Fig. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

JAMES WAUCOP TABOR, OF SUMPTER, OREGON.

## NUT-LOCK.

1,062,514.

Specification of Letters Patent.

Patented May 20, 1913.

Application filed October 28, 1911. Serial No. 657,301.

*To all whom it may concern:*

Be it known that I, JAMES W. TABOR, a citizen of the United States, residing at Sumpter, in the county of Baker and State of Oregon, have invented new and useful Improvements in Nut-Locks, of which the following is a specification.

This invention relates to nut locks, the primary object of the invention being to provide a device of this character which is of extremely simple construction, which can be applied to any nut, and which provides means whereby the bolt is securely locked upon the nut and whereby the bolt may be released from the nut, when desired.

With the above, and other objects in view, which will appear as the nature of the description progresses, the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the drawings, accompanying this specification, there has been illustrated a simple and preferred embodiment of the improvement, and in which drawings,—

Figure 1 is a plan view of a nut and bolt constructed in accordance with my invention, Fig. 2 is a longitudinal sectional view taken through the same, and in a plane with one of the longitudinal depressions of the bolt, Fig. 3 is a central longitudinal sectional view through Fig. 1. Fig. 4 is a detail perspective view of the locking dog.

In the accompanying drawings, the numeral 1 designates the bolt. This bolt is of the ordinary construction, excepting that it has its threaded portion provided with a plurality of longitudinally extending slits or depressions 2.

The numeral 3 designates the nut. This nut is of the usual formation being provided with a threaded bore adapted to engage with the threads of the bolt. The nut is provided with a longitudinal cut-away portion which communicates with its outer face and which has a lower rearwardly inclined wall 5. The cut-away portion provides a pocket 4 for the reception of a locking element hereinafter to be described. One of the longitudinal walls of the pocket is slitted along the angular wall 5 to provide a recess 6 which communicates with the bore of the nut. The recessed portion 6 has the inner wall provided thereby terminating a suitable distance away from the depression forming the pocket 4, and ar-

ranged within a suitable slit or opening formed in the wall 5 is one end of a flat spring 7.

The numeral 8 designates the locking element. This element is provided with a lower inclined or rounded face which is adapted to fit snugly against the inclined wall 5 of the pocket. The locking dog terminates a suitable distance away from the inner edge of the pocket to provide means whereby the finger of the operator may be inserted between the pocket and the inner edge of the dog to rotate the same, for a purpose which will presently be fully set forth. The dog 8 is pivoted between the walls of the pocket and is provided upon one of its sides and upon its lower face with a reduced cam member 9 which is adapted to be received within the recess or opening 6, and which, when the dog is swung to its closed position within the pocket (see Fig. 2), the said cam portion 9 will engage with one of the longitudinal depressions 2 of the bolt and thus lock the nut upon the bolt. By reference to Fig. 3 of the drawing, it will be noted that the free end of the spring 7 contacts with the inclined lower face of the dog 8 beyond its pivot, and thus tends to retain the dog within the pocket and the cam member into engagement with the recess of the bolt. The inner portion of the inclined wall 4 of the pocket may be provided with a curved depression, as shown in Fig. 3, whereby the finger of the operator will have sufficient room to engage with the said dog, or whereby an instrument may be inserted between the dog and the wall of the pocket to revolve the said dog.

From the above description, taken in connection with the accompanying drawings, the simplicity of the device, as well as the advantages thereof will, it is thought, commend themselves to those skilled in the art to which such inventions appertain without further detailed description.

Having thus fully described the said invention, what I claim is,—

A nut lock, the combination with a bolt having a plurality of longitudinally arranged depressions and a nut for the bolt, said nut having a longitudinally arranged recess forming a pocket, the lower wall of which being inclined from the bore of the nut toward the upper face of the nut, the said inclined wall adjacent one of the longitudinal walls of the pocket being re-

cessed to provide a communication with the  
bore of the nut, the inclined wall having a  
depression, a flat spring having one of its  
ends arranged within the depression, a lock-  
5 ing dog having an inner lower inclined face  
pivotally secured within the pocket, the in-  
ner edge of the said dog terminating a dis-  
tance away from the inner edge of the  
pocket, the said dog having one of its sides  
10 provided with a reduced cam member which  
is adapted to be arranged within the recess  
portion of the pocket and to engage with

one of the depressions of the bolt, and the  
spring adapted to contact with the lower in-  
clined face of the dog beyond its pivot, all 15  
substantially as and for the purpose set  
forth.

In testimony whereof I affix my signature  
in presence of two witnesses.

JAMES WAUCOP TABOR.

Witnesses:

SAM CURNOW,  
LORING HYDE.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,  
Washington, D. C."

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