

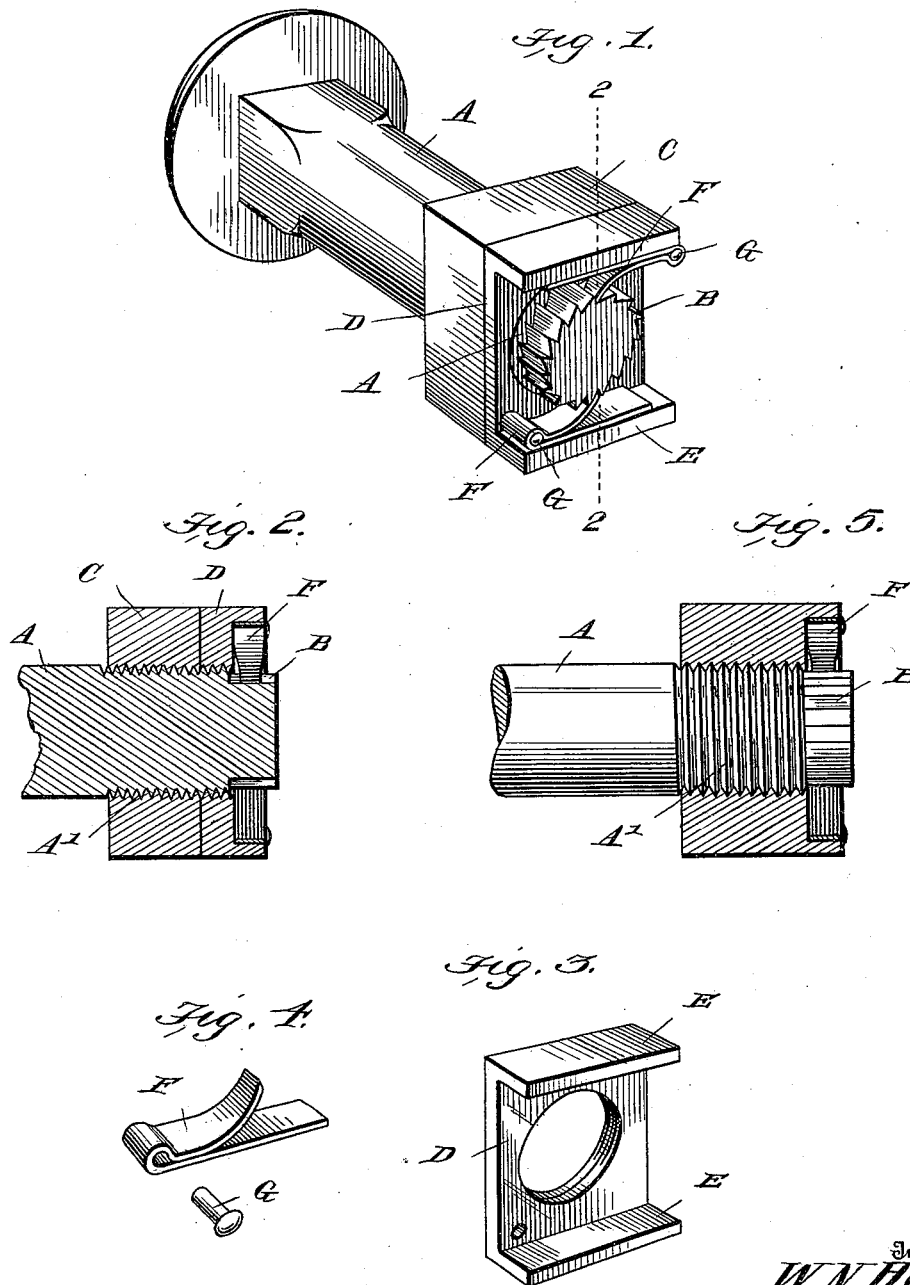
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W. N. HALL.
NUT LOCK.

(Application filed Jan. 8, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

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NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 647,962, dated April 24, 1900.

Application filed January 6, 1900. Serial No. 608. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM NICLESS HALL, a citizen of the United States, residing at Lenox, in the county of Dent and State of Missouri, have invented a new and useful Improvement in Nut-Locks, of which the following is a specification.

This invention relates generally to nut-locks, one object being to provide a simple and efficient device which will securely fasten the nut upon the end of the bolt, and another object is to provide a device by means of which the locking portions can be easily released whenever necessary to do so.

With these objects in view the invention consists in the peculiar construction of the various parts and in their novel combination or arrangement, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view of the bolt, having a nut applied thereto, which nut is fastened by means of my improved locking device. Fig. 2 is a detail sectional view. Fig. 3 is a detail perspective view of the jam-nut. Fig. 4 is a detail perspective view of the locking spring-pawl carried by the jam-nut, and Fig. 5 is a sectional view showing the spring locking-pawls applied to a nut and doing away with the jam-nut.

In carrying out my invention I employ a bolt A, the end of which is threaded, as shown at A', and the extreme end of this bolt is reduced and provided with a series of ratchet-serrations B, the purpose of which will appear farther on.

C represents an ordinary nut adapted to be screwed upon the bolt A, and a jam-nut D is then screwed down upon the ordinary nut C. This jam-nut D has upwardly-turned flanges E, against which rest the straight members

of the spring-pawl F, said pawls being held in place by means of pins G, which pass through the loop or central portion of said pawl into an aperture produced in the jam-nut, the inner members of the pawls being curved inwardly and shaped to engage the ratchet-serrations upon the end of the nut, thereby securely locking the jam-nut in position upon the ordinary nut C, and by this means it will be seen that all turning of the nut upon the bolt is absolutely prevented. Whenever it is desired to release the nut, the spring-pawls can be forced away from the ratchet-serrations, the jam-nut removed, and the nut C can then be turned in either direction, as desired.

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

1. In a nut-lock, the combination with the bolt having longitudinal ratchet-serrations at the end, of a jam-nut having upwardly-turned flanges, and the spring locking-pawls arranged against the said flanges and adapted to engage the ratchet-serrations, substantially as shown and described.

2. In a nut-lock, the combination with the bolt and nut, said bolt having the ordinary threads and also longitudinal ratchet-serrations at the end, of the jam-nut having upwardly-turned flanges at its opposite edges, the spring-pawls formed of a single piece bent centrally upon itself and securely fastened to the jam-nut, one member bearing against the flange and the opposite member engaging the ratchet-serrations, substantially as shown and described.

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Witnesses:

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