

(Model.)

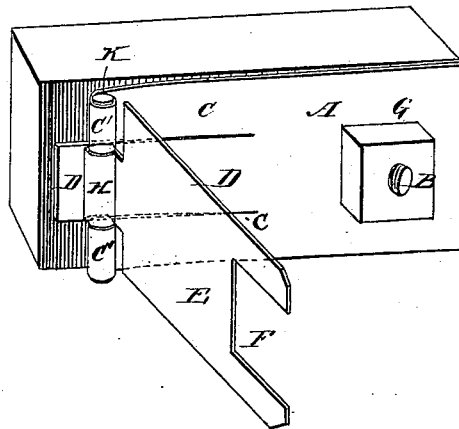
W. P. MILLER.

NUT LOCK.

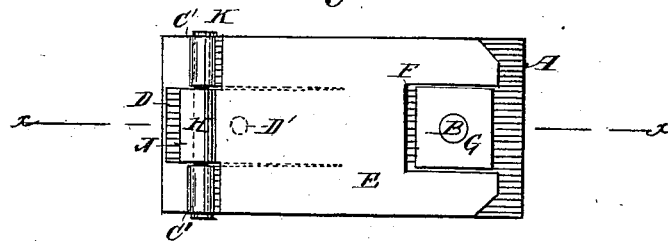
No. 266,180.

Patented Oct. 17, 1882.

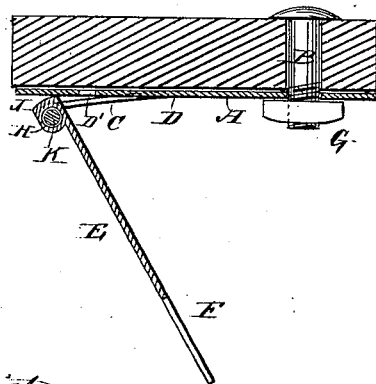
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM P. MILLER, OF TIPTON, MISSOURI.

## NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 266,180, dated October 17, 1882.

Application filed March 28, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, WILLIAM P. MILLER, of Tipton, in the county of Moniteau and State of Missouri, have invented a new and Improved Nut-Lock, of which the following is a full, clear, and exact description.

My invention relates to improvements in nut-locks; and it consists in a novel construction and combination of parts, as hereinafter more fully set forth.

The plate to which the swinging plate is hinged is provided with two spring-tongues having guide-loops at the ends, between which this hinge-joint being provided with a cam, projection, by means of which and the spring-tongues the swinging plate can be held in any desired position.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved nut-lock, showing the hinged recessed plate swung outward or raised. Fig. 2 is a front elevation of the same, showing the hinged recessed plate swung down on the fixed plate. Fig. 3 is a sectional plan view of the same on the line *x x*, Fig. 2, the hinged recessed plate being swung outward.

The plate A is provided near one end with an aperture to drop over the threaded end of the bolt B, and with two longitudinal slits from the other end, forming the outer-tongues, C, and a middle tongue, D. The outer ends of the tongues C are bent to form hinge-loops C', or are bent around the ends of a pivot, K, projecting from the ends of a hinge-loop, H. The middle tongue, D, is provided with an aperture, D', near the point, through which aperture a screw or nail or stud is passed into the object on which the plate A is held, to prevent the plate A from turning on this object. A plate, E, is provided at one end with a recess, F, slightly larger than the nut G, and at the opposite end this plate E is provided with a central hinge-loop, H, fitting in between the hinge-loops C' C'. The plate E may be cast with a pivot projecting at each end of the middle part, H, of the joint for taking the place

of the pivot or pintle K; or the hinge may be constructed in any other suitable manner, so that the two parts will not be disengaged. The outer end of the hinge-joint H is provided with a squared cam-projection, J, resting against the middle tongue, D, of the plate A. The plate E is held in place, when raised or folded down upon the plate A, by the squared cam-projection J resting against the middle tongue, D, of the plate A, and by the tongues C being flexible and bearing upon the pivot of the hinge.

The plate E may be provided with an aperture in place of the recess F.

The bolt B having been passed through the object, the lock is applied by having the plate E raised, and the aperture in the plate A being dropped or placed over the protruding or threaded end of the bolt B. Then the nut G is screwed on the threaded end of the bolt, and is turned down tight upon the plate A, and is then in position to receive or pass into the recess F in the plate E when this plate is folded down and resting upon the plate A, thus preventing the nut from turning, and thereby locking it.

I have described the lock as applied to one nut; but it can be made for two or more nuts above or in line with each other.

I may make the outer tongues, C, fixed and the middle tongue, D, a spring-tongue, and in this case this tongue D must be provided with a hinge-loop, and the two hinge-loops on the plate E, at each end of the hinge-loop of the tongue D, must be provided with cam-projections; but this construction is a mere colorable variation of the construction shown, which is preferred.

I am aware that a nut-lock consisting of a hinged locking-plate provided with a projection at one end, and pivoted to a spring connected to the fish-plate, which spring acts upon said projection and holds the plate in position, has heretofore been employed, and I therefore lay no claim to such construction, my invention being confined to the construction pointed out in the claim.

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

In a nut-lock, the plate A, provided with a bolt-hole at one end, and at its opposite end with the tongues C, having sleeves C' at their ends, and intermediate spring-tongue, D, the  
5 said spring-tongue being integral with said plate, in combination with the plate E, provided with the recess F, and the sleeve H, hav-

ing cam-projection J and the pintle K, substantially as and for the purpose set forth.

WILLIAM P. MILLER.

Witnesses:

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