

(No Model.)

G. P. LEROUX.
NUT LOCK.

No. 543,695.

Patented July 30, 1895.

Fig. 1.

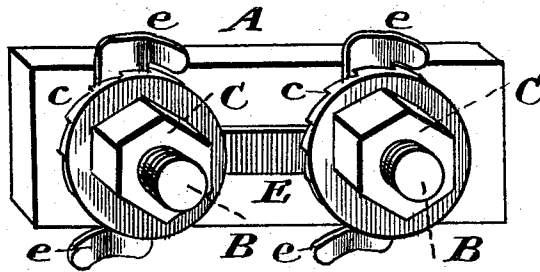


Fig. 2.

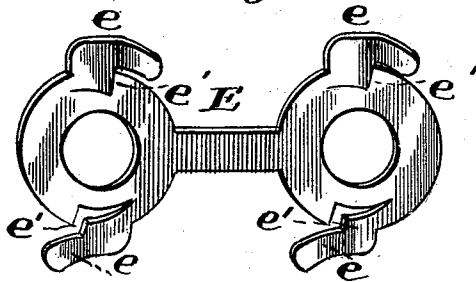


Fig. 3.

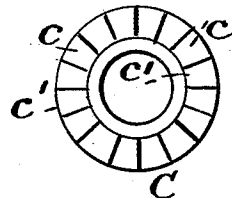


Fig. 4.

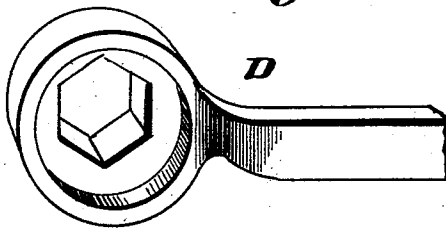
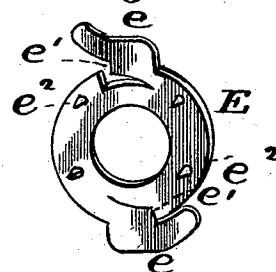


Fig. 5.



Witnesses.

A. Rupert.

H. A. Daniels

Inventor.

George P. Leroux,

Per

Thomas P. Simpson,

Atty -

UNITED STATES PATENT OFFICE.

GEORGE P. LEROUX, OF CONNEAUT, OHIO, ASSIGNOR OF ONE-HALF TO
LAUREL V. STONE, OF SAME PLACE.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 543,695, dated July 30, 1895.

Application filed February 21, 1895. Serial No. 539,213. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. LEROUX, a citizen of the United States, residing at Conneaut, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Nut-Locks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The invention relates to nut-locks wherein the bottom of the nut is locked to a fixed base-plate by a pawl or detent on the plate and a ratchet on the under side of the nut.

The invention consists in means by which a wrench may unlock and remove the nut in an easy and convenient way, as hereinafter described.

Figure 1 of the drawings is a perspective view showing the invention applied; Fig. 2, a top plan view of the base-plate; Fig. 3, a bottom view of the nut, and Fig. 4 a perspective view of a suitable wrench; Fig. 5, a detail perspective of a single plate or washer.

In the drawings, A represents the board or plate to be secured; B, a screw-bolt with an irregular neck to prevent it from turning; C, a polygonal nut, and D a wrench by which the nut may be unlocked and taken off.

E represents my base-plate or tongued washer, which is made of thin spring metal

excised in the shape shown, so as to have one 35 or more wings *e*. A right-angled excision is made in the plate, so as to form the upturned detent edge *e'*, which is integral with the wing *e*, so that when the wrench pushes down the wing the detent will also be depressed and 40 disengaged from a tooth in the ratchet *c* at the bottom of the nut C. This ratchet does not extend from the periphery of the nut to the bolt-hole thereof, but is made on the flange *c'*, which extends about the bottom of 45 the nut.

Where a single nut is to be locked, I use teats *e*² to secure the plate fast; but where two or more nuts are employed and the plates are connected by integral strips this is not neces- 50 sary.

I am aware that nuts have been ratcheted on the bottom and prevented from being turned back by a pawl or detent on a fixed washer; but

What I claim as new is--

A nut having a subjacent ratchet on a flange *c'* and a base plate E with a spring-finger *e* having integral therewith the detent *e'* situated between the said plate and outer por- 60 tion of the finger as shown and described.

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

GEORGE P. LEROUX.

Witnesses:

S. B. ATWOOD,
ERNEST THOMPSON.