No. 689,173. Patented Dec. 17, 1901.

W. B. EVERETT & J. B. HARRIS.

NUT LOCK.

(Application filed Aug. 5, 1901.)

(No Model.)

Fig. 1.

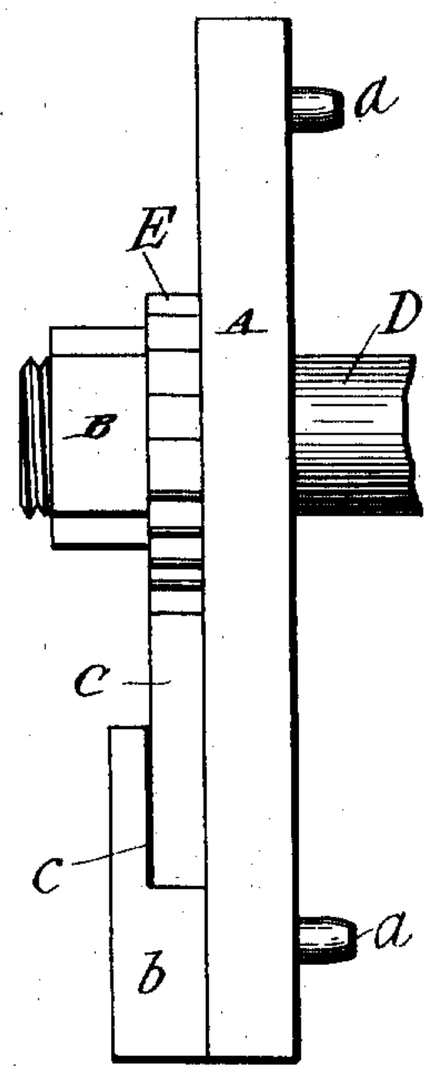


Fig. 3.

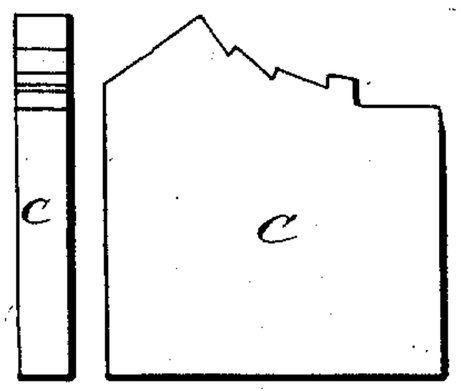


Fig. 2.

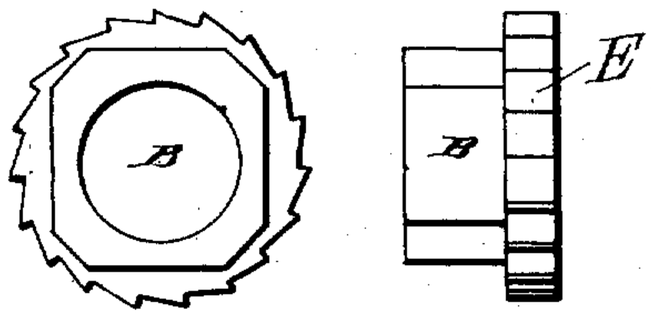
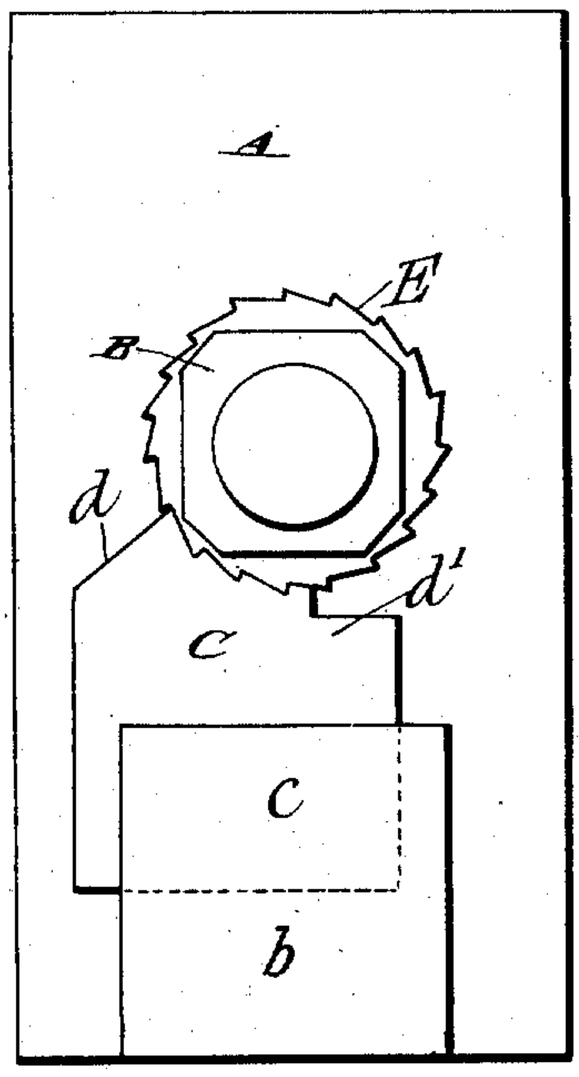


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM BUCK EVERETT AND JOSEPH B. HARRIS, OF EVERETT, LOUISIANA.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 689,173, dated December 17, 1901.

Application filed August 5, 1901. Serial No. 70,970. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM BUCK EVERETT and JOSEPH B. HARRIS, citizens of the United States, residing at Everett, in the State of Louisiana, have invented certain new and useful Improvements in Nut-Locks; and we 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.

Our invention has relation to improvements in nut-locks; and the invention consists in the novel construction of the key in connection with a toothed disk, as will be hereinafter described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a plan view of our improved nut-luck. Fig. 2 represents details of the front and side of the nut and toothed disk. Fig. 3 shows a side and edge view of the locking-key. Fig. 4 is a side elevation of Fig. 1.

Referring to the drawings, the letter A designates a fish plate or bar, having on its rear face portion pins or projections *a a*, adapted to be connected to openings in the meeting end of railroad-rails. Formed or otherwise connected to one end of the fish-plate is a projection or enlargement *b*, having therein a pocket *c*, for a purpose presently to be explained. Passing through an opening in the fish-plate A is a bolt D, having a screw-threaded outer end, on which is mounted a nut B, provided with a toothed disk E thereon.

The letter C designates our improved key, preferably made in plate form, having one portion adapted to be slidably seated in the pocket *c* of the enlargement *b* of the fish-plate. This key is provided on its inner end portion with a series of teeth arranged one above the other in curved or concaved form and notched to conform to the shape of the teeth of the disk E, so as to coact therewith and hold the same, and by this coaction of the teeth of the disk with the teeth of the key serves to force the connected portion of the plate into the pocket of the projection, thereby preventing said connected portion from having displacement therefrom. One corner of the key-plate, as shown at *d*, is cut away to form one of the teeth. The opposite corner is shouldered, as shown at *d'*, to form another tooth.

We wish it to be understood that we do not confine ourselves to the sole use of our invention as applied to locks for railroad-rails, as we may use our construction of key in connection with a rack-bar or other toothed mechanism for locking the parts together.

We wish it to be further understood that we do not confine ourselves to the precise construction shown in our drawings, and heretofore particularly described in our specification, but reserve to ourselves the right to make such alterations and changes therein for the better carrying out of our invention without departing from the essential features or the true scope or spirit thereof.

Having thus particularly described our invention, what we claim, and desire to secure by Letters Patent, is—

In a nut-lock, the combination with a fish-plate having a pocket, a bolt therein, and a nut having a toothed disk mounted on the bolt, of a key-plate slidably seated in the pocket and provided with end corner-shoulders, and a series of teeth arranged one above the other in curved or concaved form so as to conform and coact with said teeth of the disk, substantially as specified.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

WILLIAM BUCK EVERETT.
JOSEPH B. HARRIS.

Witnesses:
A. K. WARNICK,
GEO. NASH.