

(No Model.)

G. COOK.

NUT LOCK.

No. 394,462.

Patented Dec. 11, 1888.

Fig. 1.

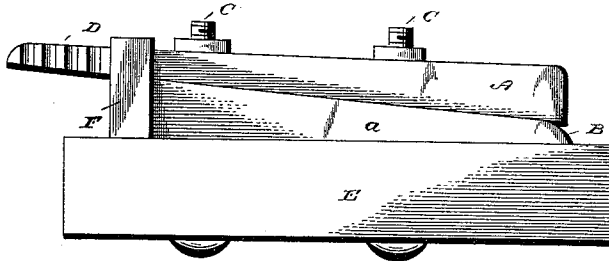


Fig. 6.

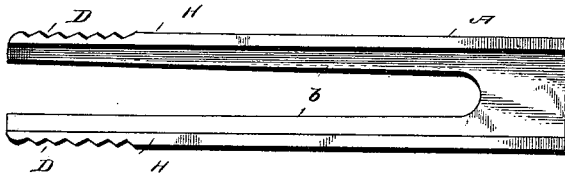


Fig. 3.

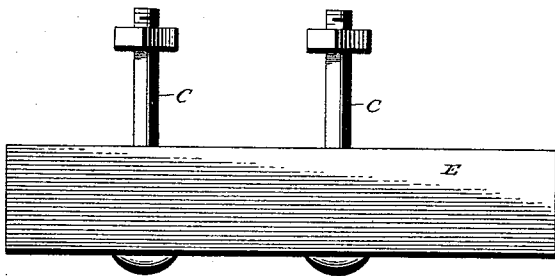


Fig. 2.

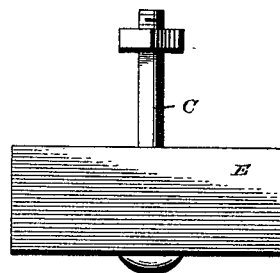


Fig. 5.

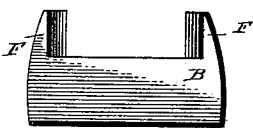


Fig. 4.

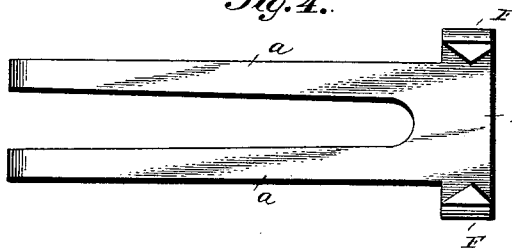
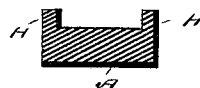


Fig. 7.



Witnesses:

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UNITED STATES PATENT OFFICE.

GUSTAVE COOK, OF NEW ORLEANS, LOUISIANA, ASSIGNOR OF TWO-THIRDS
TO M. G. MAY AND H. J. HANSELMAN, BOTH OF SAME PLACE.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 394,462, dated December 11, 1888.

Application filed May 14, 1888. Serial No. 273,891. (No model.)

To all whom it may concern:

Be it known that I, GUSTAVE COOK, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in a Nut-Lock; 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.

My invention relates to improvements in a nut-lock in which wedges are made to operate in conjunction with bolts; and the objects of my invention are to provide a nut-lock for railroads and bridges that will keep nut on bolt in a positive position. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view of nut-lock when wedges are placed in position. Fig. 2 is an end view showing bolt without wedge. Fig. 3 is a side view showing bolts with wedges detached. Fig. 4 is a top view of bottom wedge. Fig. 5 is an end view of bottom wedge; Fig. 6, a top view of top wedge; Fig. 7, an end view of top wedge.

Similar letters refer to similar parts throughout the several views.

E represents a fish-plate, through which bolts C pass.

B designates a wedge-shaped plate, having a longitudinal slot-opening at the end of the said wedge, and thereby forming two legs, *aa*, which, when the plate is in position, extend on each side of the bolts. On each side of the thick end of the plate B is erected a wedge-shaped lug, F, with the thinner portion facing inward.

A designates a wedge-shaped plate, having a longitudinal open-ended slot, forming legs *b*, and on the edges of upper surface is provided with longitudinal shoulders or ribs H.

The free end of each leg *b* is provided on

its outer edge with teeth D. When the bolts have been placed and the nuts screwed on, the plate B is placed so that its legs straddle said bolts. Then the thin end of the plate A is placed on the thin end of the plate B, and moved on the same with the legs *b* straddling the bolts and the nuts riding over the face of the said plate between the shoulders H. As the plate A is moved forward, the wedge action carries it upward against the nuts, and the said forward movement carries the toothed ends of the legs *b* between the lugs F, by which latter they are firmly held, there being enough resiliency in the said legs to keep the said lugs firmly engaged between the teeth.

As will be seen, the nuts are prevented from turning by the shoulders H, while the plates are firmly locked together and cannot move out of engagement with the bolts, being limited by the length of their slots, the closed ends of which are at opposite points when the plates are in position.

Having described my invention, what I claim is—

1. A nut-lock formed of two slotted wedge-shaped plates, one plate carrying lugs and the other plate having legs formed by the slot, and provided at their free ends with teeth arranged to be engaged by the lugs on the other plate, substantially as described.

2. A nut-lock consisting of two slotted wedge-shaped plates, one having opposing lugs at one end and the other plate having legs formed by the slot having teeth on the free ends of said legs, and provided on the top edges with longitudinal shoulders or ribs, substantially as described.

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

GUSTAVE COOK.

Witnesses:

MALACHI G. MAY,
HENRY J. HANSELMAN.