W. H. SUTTON.
Nut-Lock.

No. 199,120. Patented Jan. 8, 1878.

Fig: 1.

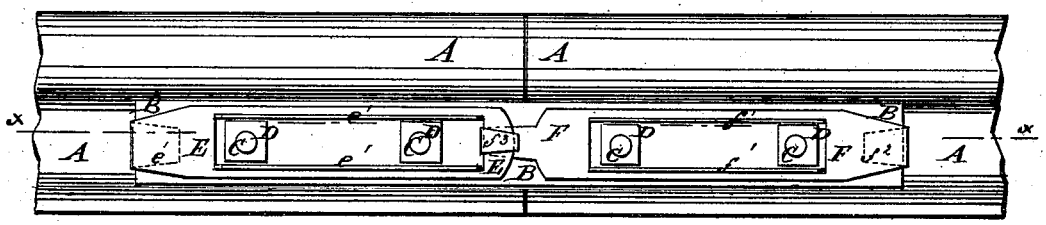
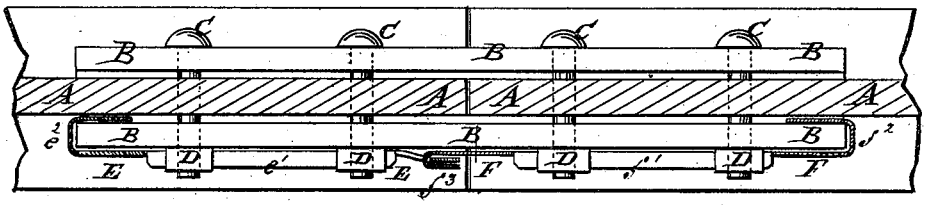


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM H. SUTTON, OF PURDY, TENNESSEE.

IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. **199,120**, dated January 8, 1878; application filed December 5, 1877.

To all whom it may concern:

Be it known that I, WILLIAM H. SUTTON, of Purdy, in the county of McNairy and State of Tennessee, have invented a new and useful Improvement in Nut-Locks, of which the following is a specification:

Figure 1 is a side view of a railroad-rail joint to which my improvement has been applied. Fig. 2 is a horizontal section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved lock for the nuts of fish-plate bolts, to prevent them from working loose, which shall be so constructed that it may be easily and quickly applied, which may be readily taken off and used again, and which will protect the nuts and screw-threads from the weather.

The invention consists in an improved nut-lock formed of two strips of sheet metal slitted longitudinally and transversely, having the flaps thus formed bent outward at right angles to form flanges to rest against the sides of the nuts, having hook-tongues formed upon their outer ends to hook upon the ends of the fish-plate, and having a tongue formed upon the inner end of one strip to hook into the inner end of the slot in the other strip, as hereinafter fully described.

A represents the adjacent ends of two rails, forming a joint. B are the fish-plates. C are the bolts, and D are the nuts, about the construction of which parts there is nothing new. E F are two strips of thin sheet metal, which are slitted longitudinally through their middle parts for a distance a little greater than the distance apart of the nuts of each pair, and have cross-slits formed in them at the ends of their longitudinal slits, of a length equal to the width of the nuts D. The flaps e^1 f^1 thus formed are bent outward at right angles to form flanges to rest against the sides of the nuts, to prevent them from turning, and also to protect them from the weather. Upon the outer ends of the strips E F are formed tongues, which are bent inward into hook form, so as to be hooked around the ends of the fish-plate B, as shown in Figs. 1 and 2. The slot in the strip E is extended nearly to its inner end, and the inner end of the other strip, F, has a tongue formed upon it, which is bent outward at right angles.

In applying the lock, the hook-tongues e^2 f^2 of the strips E F are slipped upon the ends of the fish-plate B, and the slots of the said strips are passed over the nuts, the tongue f^3 of the strip F passing out through the inner end of the slot in the strip E. A single blow with a hammer will then close down the tongue f^3, and the lock will be firmly secured in place.

With this construction the tongue f^3 can be readily straightened up, so that the lock can be detached and again used.

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

An improved nut-lock formed of two strips, E F, of sheet metal, slitted longitudinally and transversely, having the flaps thus formed bent outward at right angles to form flanges e^1 f^1, to rest against the sides of the nuts, having hook-tongues e^2 f^2 formed upon their outer ends to hook upon the ends of the fish-plates, and having a tongue, f^3, formed upon the inner end of one strip to hook into the inner end of the slot in the other strip, substantially as herein shown and described.

WILLIAM H. SUTTON.

Witnesses:
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