(No Model.)

W. N. MAY.

NUT LOCK.

No. 261,939. Patented Aug. 1, 1882.

Fig. 2.

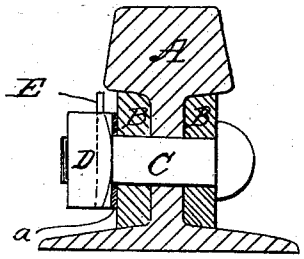


Fig. 1.

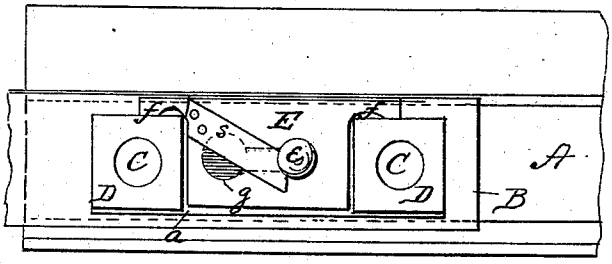


Fig. 3.

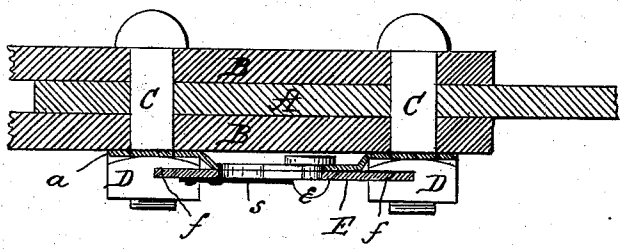


Fig. 4

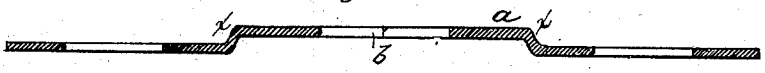
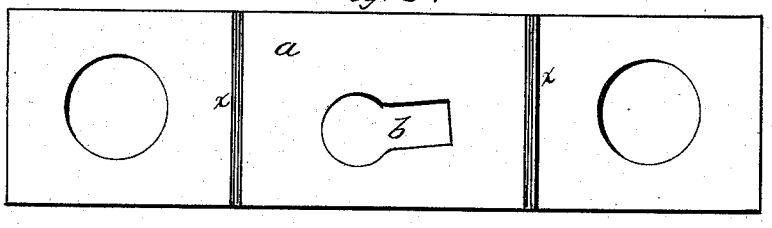


Fig. 5.



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UNITED STATES PATENT OFFICE.

WILLIAM N. MAY, OF PITTSBURG, PENNSYLVANIA.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 261,939, dated August 1, 1882.

Application filed May 11, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM N. MAY, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Nut-Locks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side elevation of a rail-joint with my nut-lock; Fig. 2, a transverse section at the bolt-hole; Fig. 3, a horizontal section at bolt-holes; Fig. 4, a horizontal section, and Fig. 5 an elevation, of the anchor-plate.

This invention relates to devices for locking-nuts, and has especial reference to the locking of the nuts on railway-rail joints, though it may be applied in other locations.

It consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the drawings, A is the rail, and B B the fish-plates, C the bolts, and D the nuts, all of which may be of any of the usual forms.

Before placing the nuts D on their bolts I slip over two adjoining bolts an anchor-plate, *a*, perforated for the bolts C. Plate *a* is offset outwardly, as shown at *x*, and has at about its center a key-hole slot, *b*, through which projects outwardly the stud *e*, whose base stands behind the anchor-plate *a* at the offset in the latter. The nuts D are then tightened down in position on the bolts C. Then a locking-plate, E, having suitable shoulders, *f*, or other projections for abutting against the nuts, and having a key-hole slot, *g*, similar to and corresponding in position to the slot *b*, is placed so as to bear against the tops or bottoms or sides of the nuts D. Then the stud *e* is pushed over into the narrow part of the two slots *b g*, where the enlarged head of the stud holds the locking-plate E in its place. The stud is then prevented from working back by the spring *s*, of plate form, which is riveted to the plate E in such position as to cover the large part of slot *g*. In setting the plate E in position, when forcing it inwardly, the spring *s* yields to the pressure and allows the head of the stud *e* to come out under it. Then when the stud is pushed over into the narrow part of slot *g* the spring flies down and covers the hole. The stud can be pushed back and plate E removed only by forcing the spring *s* outwardly till the stud *e* is free to move.

I claim as my invention—

The combination of the bolts C, nuts D, anchor-plate *a*, having key-hole slot *b*, stud *e*, and locking-plate E, having key-hole slot *g* and spring *s*, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM N. MAY.

Witnesses:
T. J. MCTIGHE,
GEO. H. WELSH.