

S. J. MITCHELL.
Nut-Lock.

No. 211,103.

Patented Jan. 7, 1879.

FIG.1.

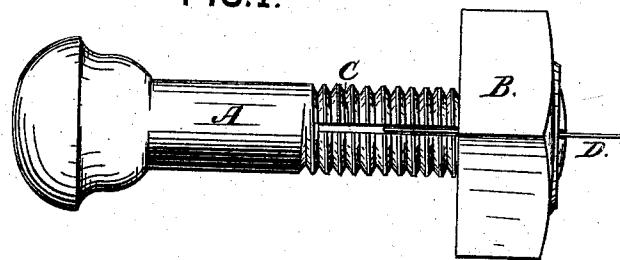
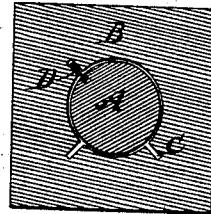


FIG. 2.



WITNESSES

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By

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INVENTOR

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UNITED STATES PATENT OFFICE.

SAMUEL J. MITCHELL, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. **211,103**, dated January 7, 1879; application filed November 19, 1878.

To all whom it may concern:

Be it known that I, SAMUEL J. MITCHELL, of St. Louis, county of St. Louis and State of Missouri, have invented an Improvement in Nut-Locks, of which the following is a specification:

The following description, taken in connection with the accompanying plate of drawings, hereinafter referred to, forms a full and exact specification, wherein are set forth the nature and principles of the invention, by which the same may be distinguished from others of a similar class, together with such parts thereof as are claimed as new and are desired to be secured by Letters Patent of the United States.

My invention has for its object to provide a simple and secure nut-lock for fish-plate bolts; and consists of inserting, after the nut is screwed up, into a slot or groove formed in the bolt and nut transversely to the thread, a sheet-metal or soft-metal key. After the key is inserted a further wrench of the nut causes a twist or indentation of the key, whereby the same is prevented from working out and the nut securely locked.

In the accompanying drawing, in which similar letters of reference indicate like parts, Figure 1 is a perspective view of a bolt and nut embodying my invention. Fig. 2 is a transverse sectional view of the same.

A is the bolt. B is the nut. C is the slot. D is the key.

What I claim is—

In a nut-lock, the combination of the grooved bolt A, the slotted nut B, and the thin soft-metal key D, adapted to be slightly bent or disturbed by the forcible turning of the bolt or nut while the key is in the slot, and thus preventing it from coming out, as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of September, 1878.

SAMUEL J. MITCHELL.

Witnesses:

M. J. MULLERY,
M. J. VIRTUE.