

M. A. SPAFFORD.

NUT-LOCK.

No. 178,086.

Patented May 30, 1876.

Fig. 1

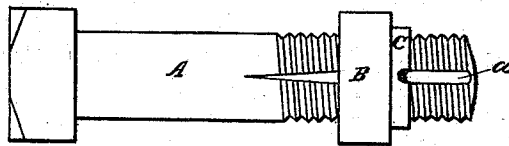
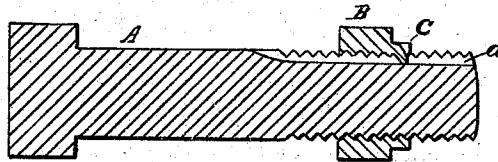


Fig. 2



WITNESSES

Leicester H. Willett
Henry W. Perkins

INVENTOR

Mark A. Spafford
By Lindley & Warner
Attys

UNITED STATES PATENT OFFICE.

MARK A. SPAFFORD, OF CHICAGO, ILLINOIS, ASSIGNOR TO FREDERICK H. BROWN AND M. A. H. BROWN, OF SAME PLACE.

IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. **178,086**, dated May 30, 1876; application filed April 7, 1874.

To all whom it may concern:

Be it known that I, MARK A. SPAFFORD, of Chicago, in the county of Cook and State of Illinois, have invented a new, useful, and Improved Nut-Lock, of which the following is a full, clear, and exact description, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part hereof, and in which—

Figure 1 is a side elevation of my improved device; and Fig. 2, a vertical central longitudinal section of the same.

Like letters of reference indicate like parts.

The object of my invention is to improve the construction and operation of the means employed to lock nuts upon bolts; and to that end it consists in sinking a longitudinal groove in the screw-threaded part of the bolt, and in providing the nut with a soft-metal tongue, which may be set into the said groove after the nut is set, substantially as hereinafter specified.

In the drawing, A represents the bolt. *a* is the longitudinal groove sunken into the screw-threaded part of the bolt. B is the nut. C is a comparatively thin flange or annular rim or tongue, continuous with the screw-threaded part of the nut.

After the nut is set, that part of the flange which lies over the groove *a* is driven into the said groove by being struck for that purpose with a suitable instrument, it being understood that the flange is made of soft metal. By this means the nut may be firmly locked after being set.

I deem it preferable to make the part C in the manner shown and described; but instead of being annular and continuous with the screw-threaded part of the nut, it may consist of a narrow tongue arranged in any suitable position on the nut, and sufficiently long to enter the groove by being bent in the manner described.

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

A nut-lock, consisting of a bolt having a longitudinal groove sunken into its screw-threaded part, and of a nut provided with a soft-metal tongue, arranged substantially as specified, to enter the said groove by being operated upon, in the manner described.

MARK A. SPAFFORD.

Witnesses:

N. C. GRIDLEY,
F. F. WARNER.