

J. J. ADGATE.
Nut-Lock.

No. 160,862.

Patented March 16, 1875.

Fig. 1.

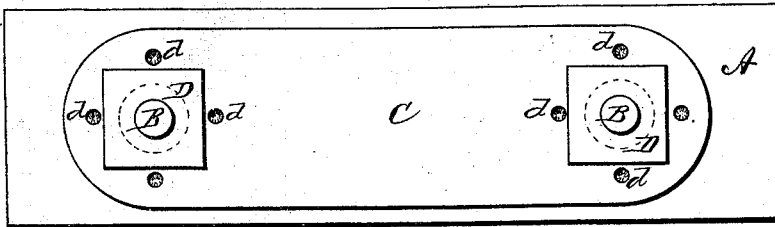


Fig. 2.

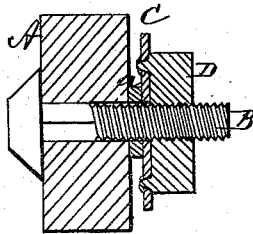


Fig. 3.

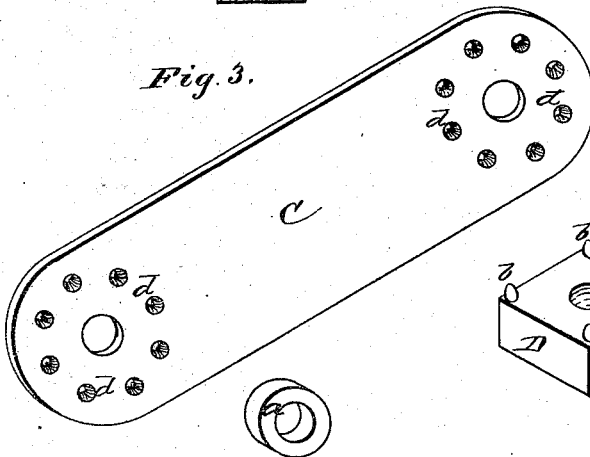
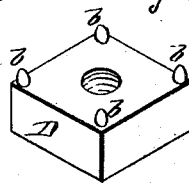


Fig. 4.



WITNESSES

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per
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UNITED STATES PATENT OFFICE.

JOSEPH J. ADGATE, OF STEVENSVILLE, NEW YORK.

IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. **160,862**, dated March 16, 1875; application filed February 18, 1875.

To all whom it may concern:

Be it known that I, JOSEPH J. ADGATE, of Stevensville, in the county of Sullivan and in the State of New York, have invented certain new and useful Improvements in Nut-Locks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a nut-lock, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view of my invention. Fig. 2 is a section of the same. Fig. 3 is a perspective view of the washer, and Fig. 4 is a perspective view of the nut.

A represents a fish-bar for railroad-joints or other article, through which are passed the bolts B B. On each bolt B is placed a collar or washer, *a*, against the fish-bar, and over the two bolts is placed a sheet-iron plate or washer, C. A nut, D, is then screwed on each bolt up against this plate. On the inner side of the nut, at each corner, is a lug or projection, *b*; and in the plate C is made a series of

indentations, *d d*, arranged in a circle concentric with the bolt-hole, and at equal distances apart. These indentations are formed at such distances from the bolt-hole that in turning the nut D the projections *b* thereon will enter said indentations.

The collar *a* under the plate, or between it and the fish-bar, allows the plate to spring, so that the projections will enter the indentations; and when the nut is screwed up it will be held thereby, and prevented from working loose.

The collar *a* also allows the nut to rock as the rail springs, thus preventing the breaking of the bolt, which often occurs when the nuts are down on a rigid surface.

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

The combination of the bolt B, collar *a*, plate or washer C with indentations *d*, and the nut D with corner lugs or projections *b*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of February, 1875.

JOSEPH J. ADGATE.

Witnesses:

J. M. MASON,
H. H. HALL.