

(No Model.)

J. GRAHAM.

NUT LOCK.

No. 255,428.

Patented Mar. 28, 1882.

Fig 1

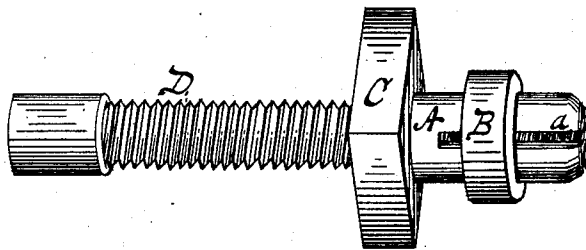


Fig. 2



Witnesses,

Walter Ross
William V. Sheeran

Inventor,

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per James O'Brien
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UNITED STATES PATENT OFFICE.

JAMES GRAHAM, OF DETROIT, MICHIGAN.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 255,428, dated March 28, 1882.

Application filed January 21, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES GRAHAM, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Nut-
5 Lock, of which the following is a specification.

My invention relates to the securing of nuts in a permanent manner on their bolts, so that they may not be loosened or lost, as so often
10 happens when they are subjected to constant jars or a moving pressure. I attain this end by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the device
15 in its place on a bolt. Fig. 2 is a separate view of the device with securing-ring off.

Similar letters refer to similar parts in the different views.

A is a hollow cylinder, of iron or steel, a little over an inch long and about one-sixteenth
20 thick, with slots *a a'* cut down about three-fourths its length and opposite to each other. This cylinder is made to correspond to the bolt in size, with or without a corresponding thread
25 cut inside. The upper end of this cylinder, or the end from which the slots are cut, is beveled off to allow the more easy putting on of the securing-ring.

B is the securing-ring, of iron or steel, of

sufficient strength for the purpose intended, 30 the inner edge of one side being also a little beveled to facilitate an easy entrance on cylinder. This ring is made to fit very tightly, being a trifle less in circumference inside than the outside diameter of cylinder, so that it
35 may require some little force to drive it on into place.

C is the nut, and D the bolt. The cylinder A may be permanently secured to the nut, if
40 so desired.

The application of the device is obvious. The cylinder A is either pressed or screwed snugly up to the nut C, and the securing ring B is tightly driven over it, the slots allowing
45 sufficient spring for that purpose, and also a constant and uniform pressure that will keep lock and nut in place.

What I claim, and desire to secure by Letters Patent, is—

The slotted cylinder A, with its accompanying 50 ring B, in combination with the nut C and bolt D, substantially as described, and for the purposes set forth.

JAMES GRAHAM.

Witnesses:

MICHAEL DOYLE,
GEORGE H. BRAUN.