

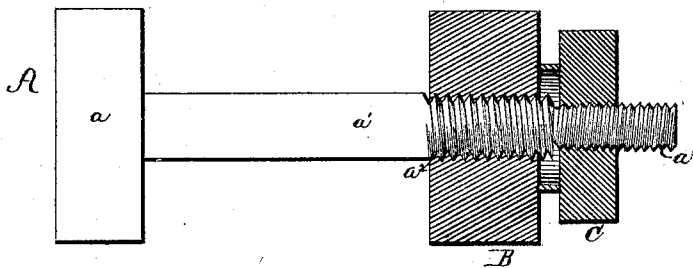
J. S. KIRKPATRICK.

Nut-Locks.

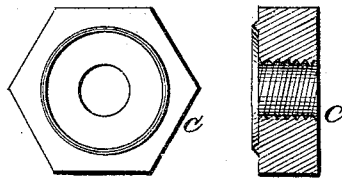
No. 130,377.

Patented Aug. 13, 1872.

*Fig. 1.*



*Fig. 2. Fig. 3.*



*Witnesses.*  
*C. F. Brown,*  
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*Atty.*

# UNITED STATES PATENT OFFICE.

JOSEPH SCOTT KIRKPATRICK, OF PUNTA ARENAS, CALIFORNIA.

## IMPROVEMENT IN LOCK-NUTS.

Specification forming part of Letters Patent No. 130,377, dated August 13, 1872.

### SPECIFICATION.

*To all whom it may concern:*

Be it known that I, JOSEPH SCOTT KIRKPATRICK, of Punta Arenas, in the county of Mendocino and State of California, have invented a new and useful Improvement in Nut-Locks; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention relates to that class of nut-locks which have a bolt provided with a right and left hand screw-thread, and employ in connection therewith two nuts, and consists in the specific construction of the outer nut, by means of which the two are securely clamped together, as will be fully described hereinafter.

In the drawing, Figure 1 represents an elevation, partially in section, of my improved nut-lock; and Figs. 2 and 3, views of the nut detached.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

A represents the bolt, which is provided with the usual head  $a$  and the shank  $a^1$ , which latter terminates in the threaded portions  $a^2$   $a^3$  of different diameters, as shown. B and C represent nuts adapted to fit the threaded portions  $a^2$   $a^3$  of the bolt, one of which is right and the other left hand. These threaded portions are of such relative length that the

inner nut, when in place for securing the article which it is designed to hold, extends far enough over the thread part  $a^3$  to permit the inner face of the nut C to engage with it. The nut C, which is preferably cast of steel, is provided with a circular ridge, or its equivalent, having a sharp edge adapted to cut into the outer face of the inner nut.

The operation is as follows: The bolt having been properly adjusted, the inner nut is screwed tightly to its place and the outer nut also to its place, the revolving motion of the latter, however, being in an opposite direction to the former. By screwing the outer nut tightly upon the inner, the sharp projecting edge of the former cuts into the outer face of the latter, by which means the two are firmly united together and one cannot move without the other.

By means of this construction a very simple but effective nut-lock is obtained, which can be produced at small cost.

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

The nut C with its projecting edge, in combination with nut B and bolt A, provided with the right and left hand screw-threads, as described.

This specification signed and witnessed this 28th day of December, A. D. 1871.

JOSEPH SCOTT KIRKPATRICK.

Witnesses:

GUSTAVUS LINDEVORS,  
EDWARD WILLIAMS.