

(No Model.)

S. A. LESAN.

NUT LOCK.

No. 308,266.

Patented Nov. 18, 1884.

Fig. 1.

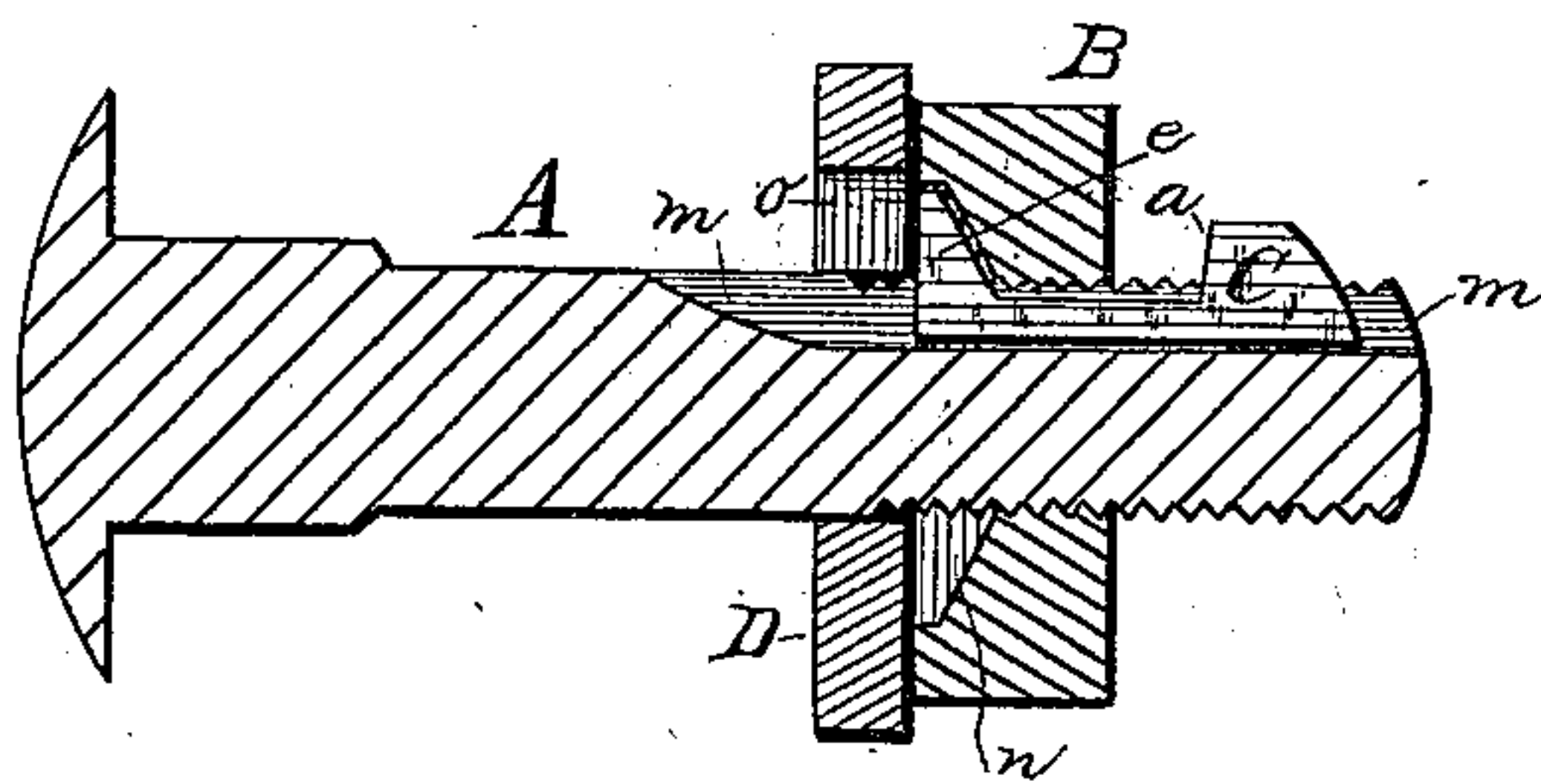


Fig. 3.

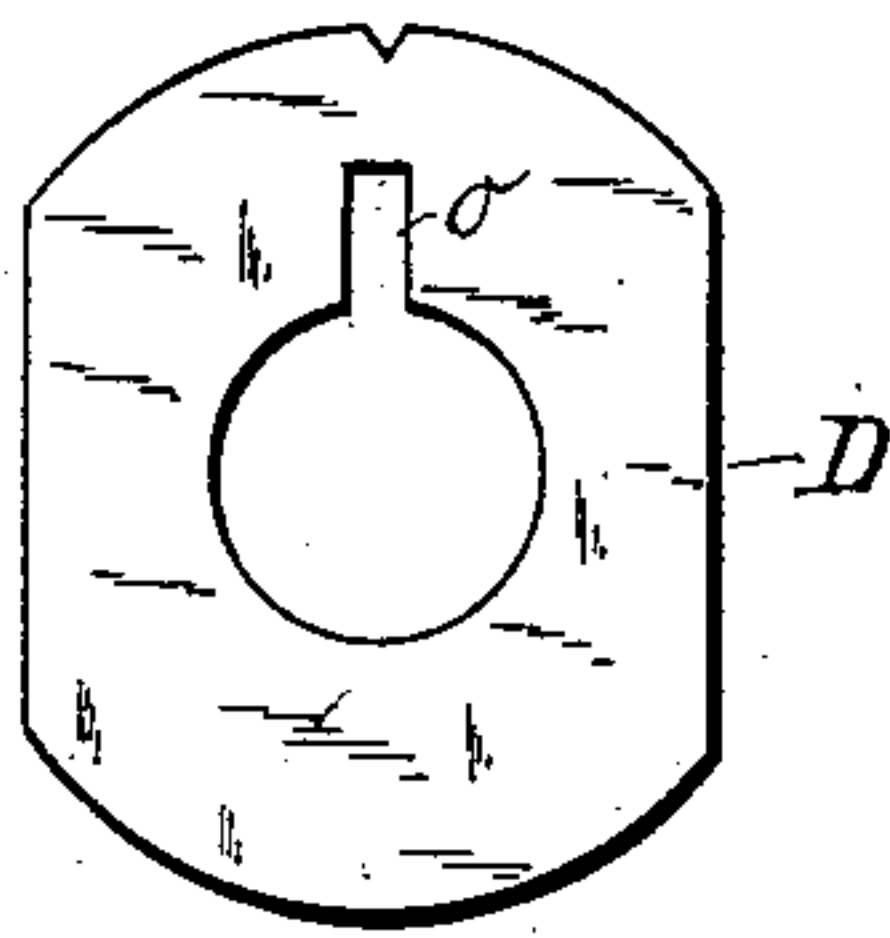
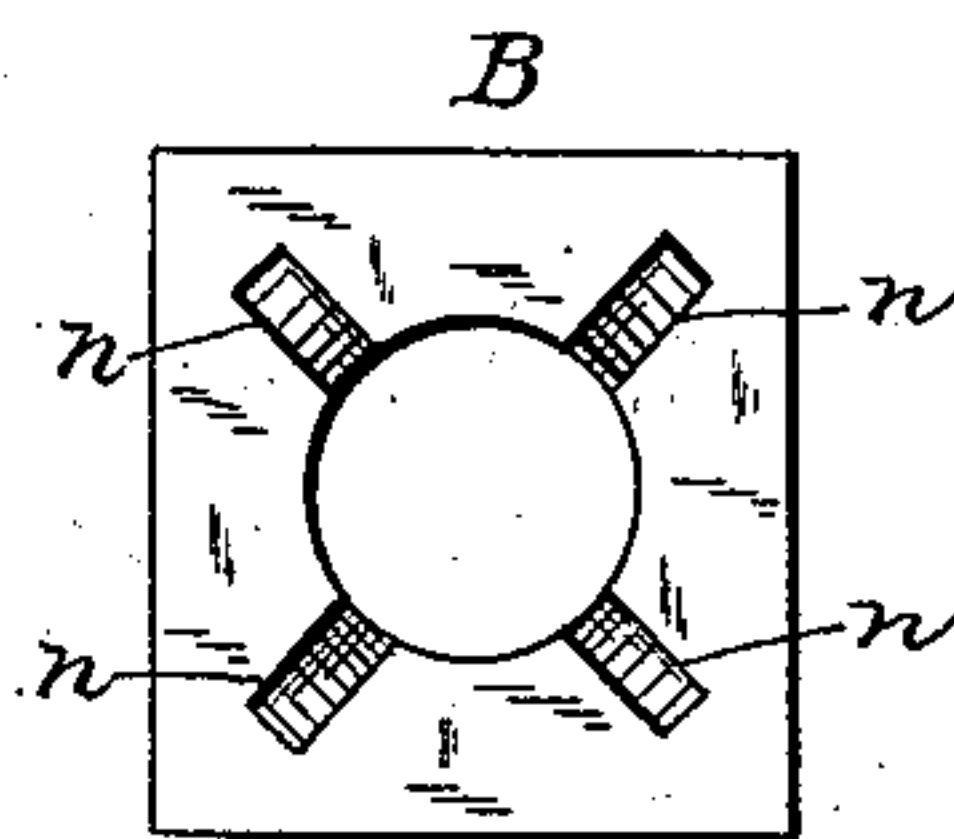


Fig. 2.



WITNESSES:

Harrison B Brown

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INVENTOR:

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UNITED STATES PATENT OFFICE.

SETH A. LESAN, OF MOUNT AYR, IOWA.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 308,266, dated November 18, 1884.

Application filed April 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, SETH A. LESAN, a citizen of the United States, residing at Mount Ayr, in the county of Ringgold and State of Iowa, have invented certain new and useful Improvements in Nut-Locks, of which the following is a description.

This invention relates to that class of devices used to secure nuts upon screw-bolts; and it consists in the construction and combination of a screw-bolt, a screw-nut, a washer, and a key, as hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal section of my invention. Fig. 2 is a rear face view of the nut, and Fig. 3 is a face view of the washer.

A represents a screw-bolt, of any usual form, and provided with a longitudinal slot, *m*, in the threaded portion.

B is a screw-nut fitting the thread of the bolt and provided with a number of recesses, *n*, any one of which may be brought to coincide with the slot *m*.

C is a key fitted to slide in the slot *m*, with its body buried below the thread. The key has a head, *a*, at one end and a foot, *e*, at the other end, both projecting from the same side of its body. The recesses *n* in the nut are adapted to receive the foot *e*.

D is a washer a little thicker than the length of the foot *e* longitudinally with the bolt, and provided with a slot, *o*, through which the foot may pass when the washer and key are in place.

The operation is as follows: The washer is first placed on the bolt; then the key is put through the nut and its foot entered into the slot of the bolt. Now, the nut, turning between the head and foot of the key, is screwed home against the washer. The latter being set to register its slot with the slot in the bolt, the foot of the key is pushed therein by the advance of the nut. Now turn the nut until one of its recesses *n* registers with the key; then draw the foot of the key into said recess. Then turn the washer slot away from the key, and the nut is completely locked, the head of the key assisting its withdrawal either by hand or by removing the nut. The space between the head and foot of the key is equal to the thickness of the nut or more. The recesses in the nut will usually be made opposite the corners as an external guide to their location.

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

The combination, with a longitudinally-slotted screw-bolt, of a key fitted therein having a head at one end and a foot at the other projecting from one side thereof, a screw-nut fitting the bolt and provided with recesses extending radially from the bolt-hole in one of its faces, said recesses being adapted to receive the key-foot, and a washer slotted to permit the key-foot to pass through, as shown and described.

SETH A. LESAN.

Witnesses:

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