

(No Model.)

J. B. THOMPSON.

NUT LOCK.

No. 332,972.

Patented Dec. 22, 1885.

Fig. 1.

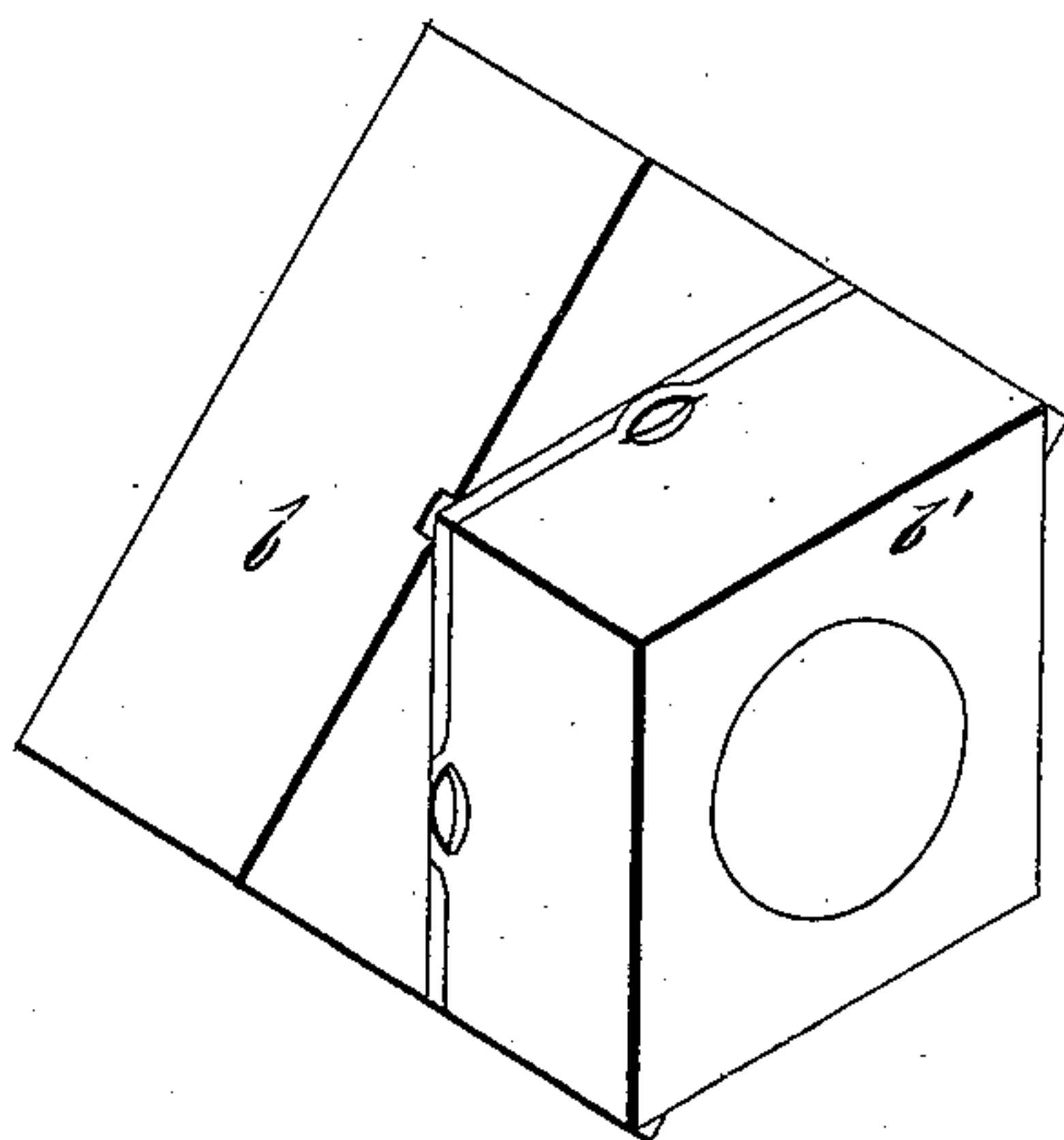


Fig. 2.

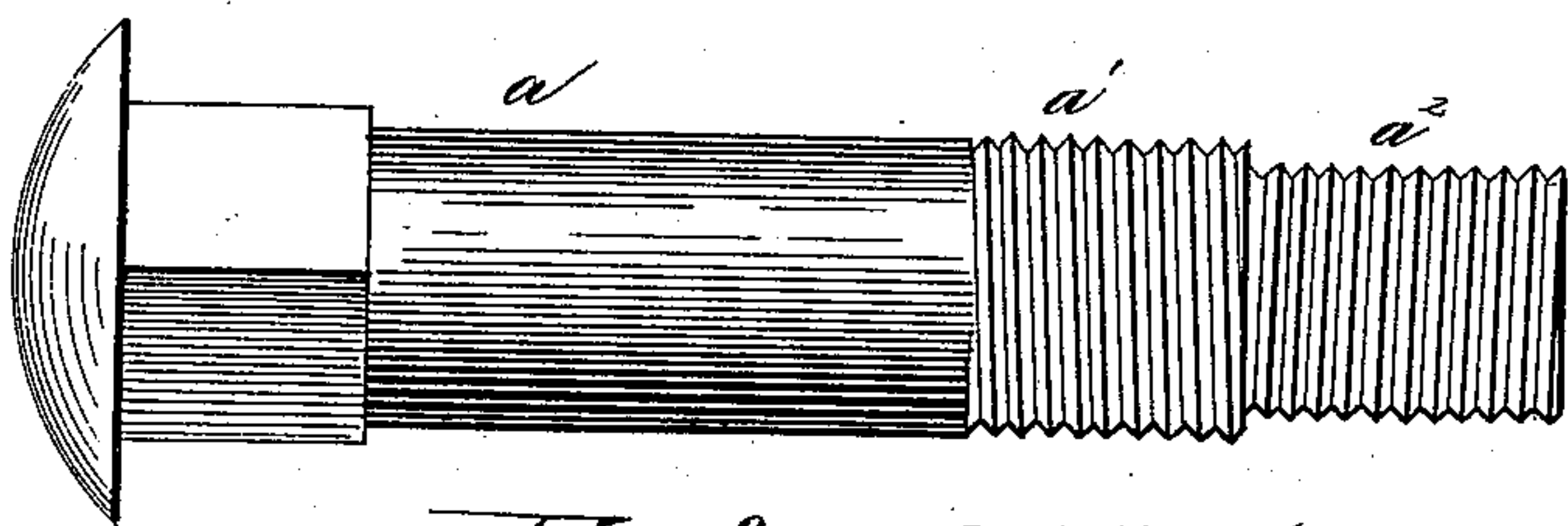


Fig. 3.

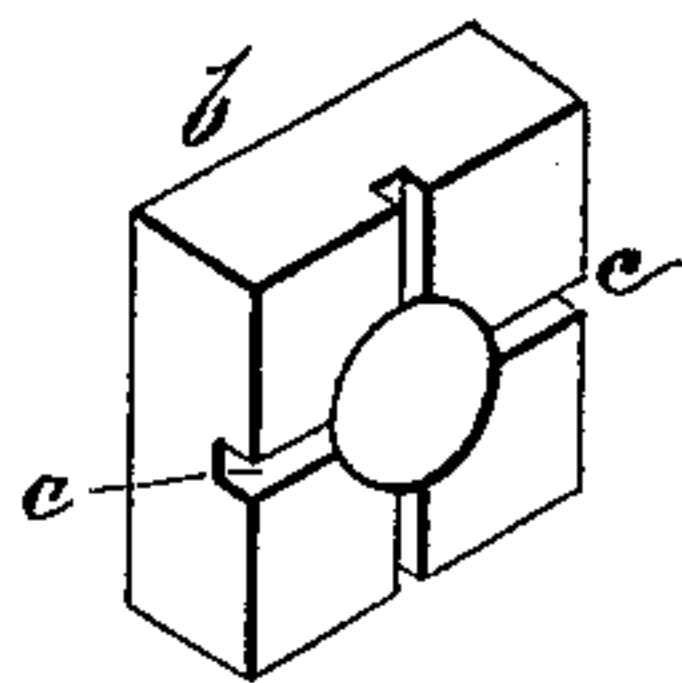


Fig. 4.

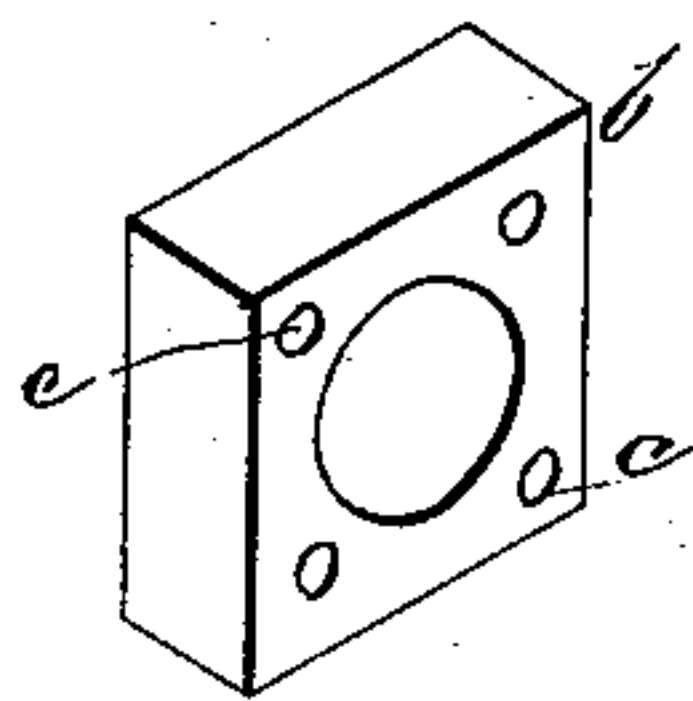
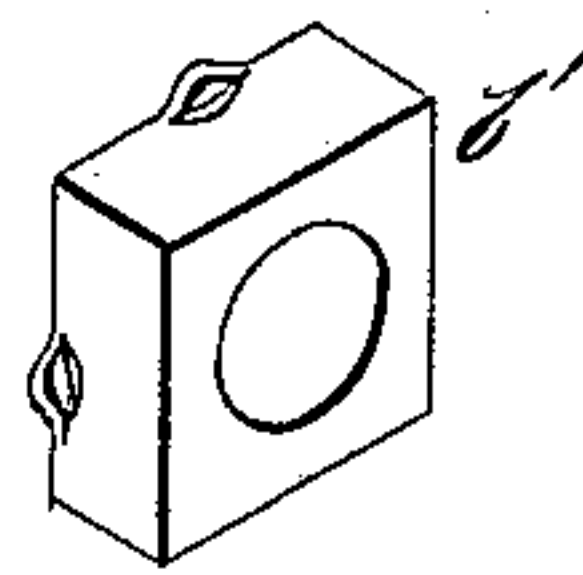


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

JESSE B. THOMPSON, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-FIFTH TO
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NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 332,972, dated December 22, 1885.

Application filed September 24, 1885. Serial No. 178,048. (No model.)

To all whom it may concern:

Be it known that I, JESSE B. THOMPSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Nut-Locks, of which the following is a specification, to wit:

This invention relates to nut-locks; and it consists in the peculiar construction and arrangement of the same, substantially as will be hereinafter more fully described and claimed.

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 accompanying drawings, in which—

Figure 1 is a perspective view of my nut-lock. Fig. 2 represents the bolt. Figs. 3 and 4 are two different forms of one of my lock-nuts, and Fig. 5 is the other nut of a pair.

a represents a bolt, which is formed with two threads, a' a^2 , one of which is a right and the other a left hand thread, as in Fig. 2. On this bolt, after it is placed in position, I place two nuts, b b' , one of which is formed with recesses c on its face and the other is preferably of softer material. These recesses may be of any desired shape. In Fig. 1 they are shown as grooves running diagonally across the nut, while in Fig. 3 they are run radially from the bolt-opening, and in Fig. 4 a series of depressions or sockets are shown, all of which answer the purpose designed.

When the inner nut is screwed tightly down to place, the outer one is put on and also screwed down tight upon the first. With a punch or similar instrument a portion of the plain nut is driven down into the recesses of the other nut, and thereby locks them together. As the

nuts move in opposite directions, the loosening of one only tends to tighten the other, and as the contacting or interlocking parts of two nuts are so small a wrench will readily turn off the outer nut and leave the inner free to be removed. The recesses being scattered over the face of the nut some are always convenient for driving in a portion of the other, and while it is not necessary, yet it will be found advantageous and preferable to make the plain nut of softer metal than the other, whereby the punching of the locking-projection is rendered easier, and this is more easily cut off or pushed aside by the other nut when the strain of a wrench is applied to remove them.

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

1. In a nut-lock, the combination, with a bolt having a right and a left hand thread, of two nuts, one of which is formed with a recessed face and the other having a projection punched into the recess, substantially as and for the purpose set forth.

2. In a nut-lock, the combination, with a bolt formed with two oppositely-pitched threads, of two nuts, one of which is formed with a recessed face, and the other is made of softer material and has a portion punched into said recess after being placed in position, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JESSE B. THOMPSON.

Witnesses:

CLARENCE W. BALLARD,
W. C. MCARTHUR.