

(No Model.)

J. WURTHNER.
NUT LOCK.

No. 606,109.

Patented June 21, 1898.

Fig. 1.

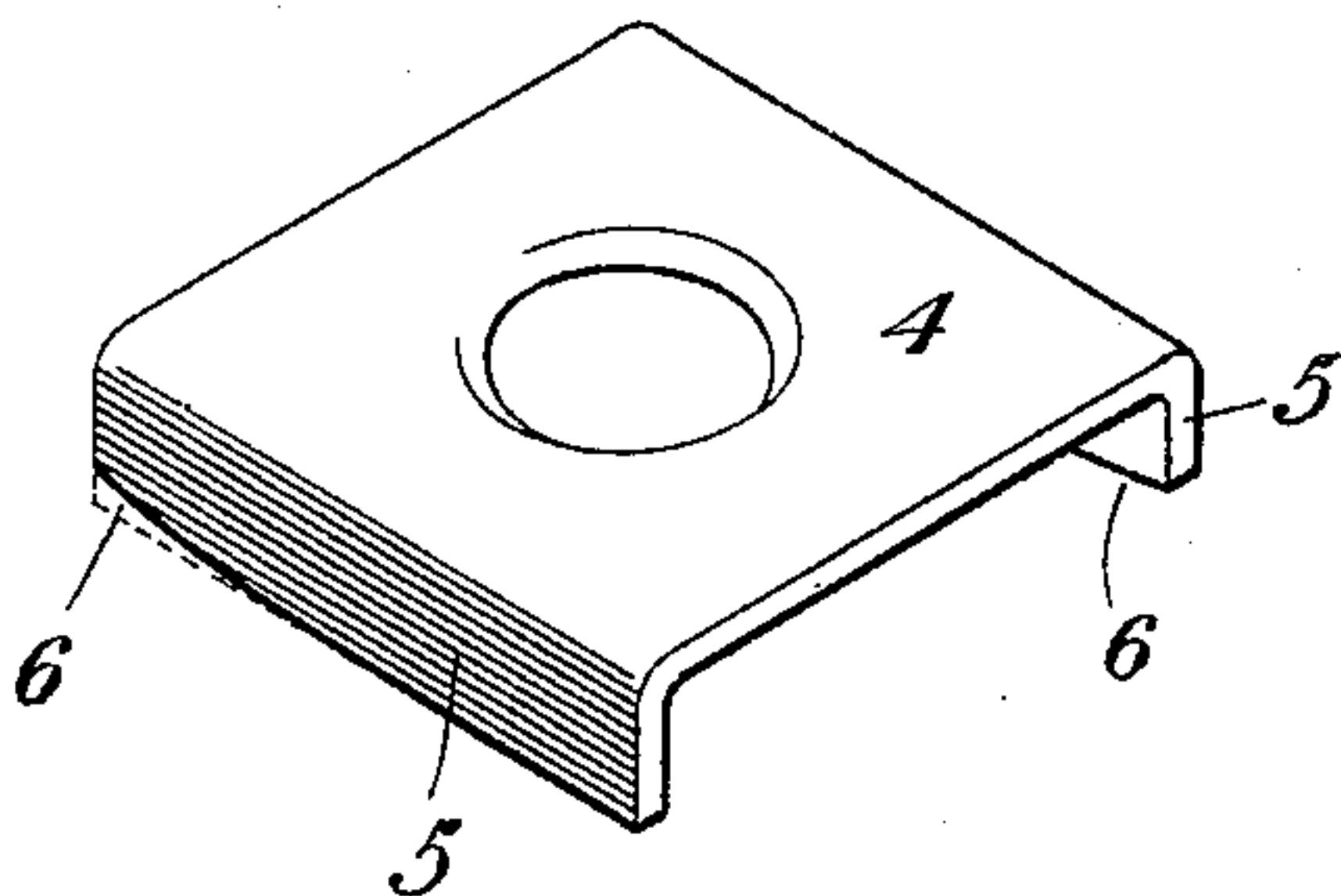


Fig. 6.

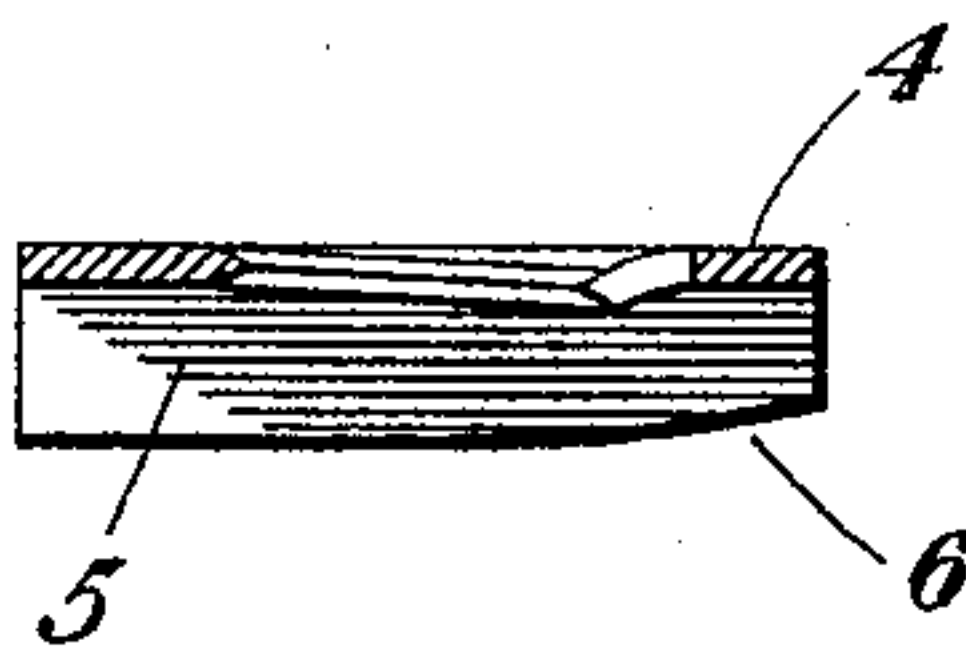


Fig. 2.

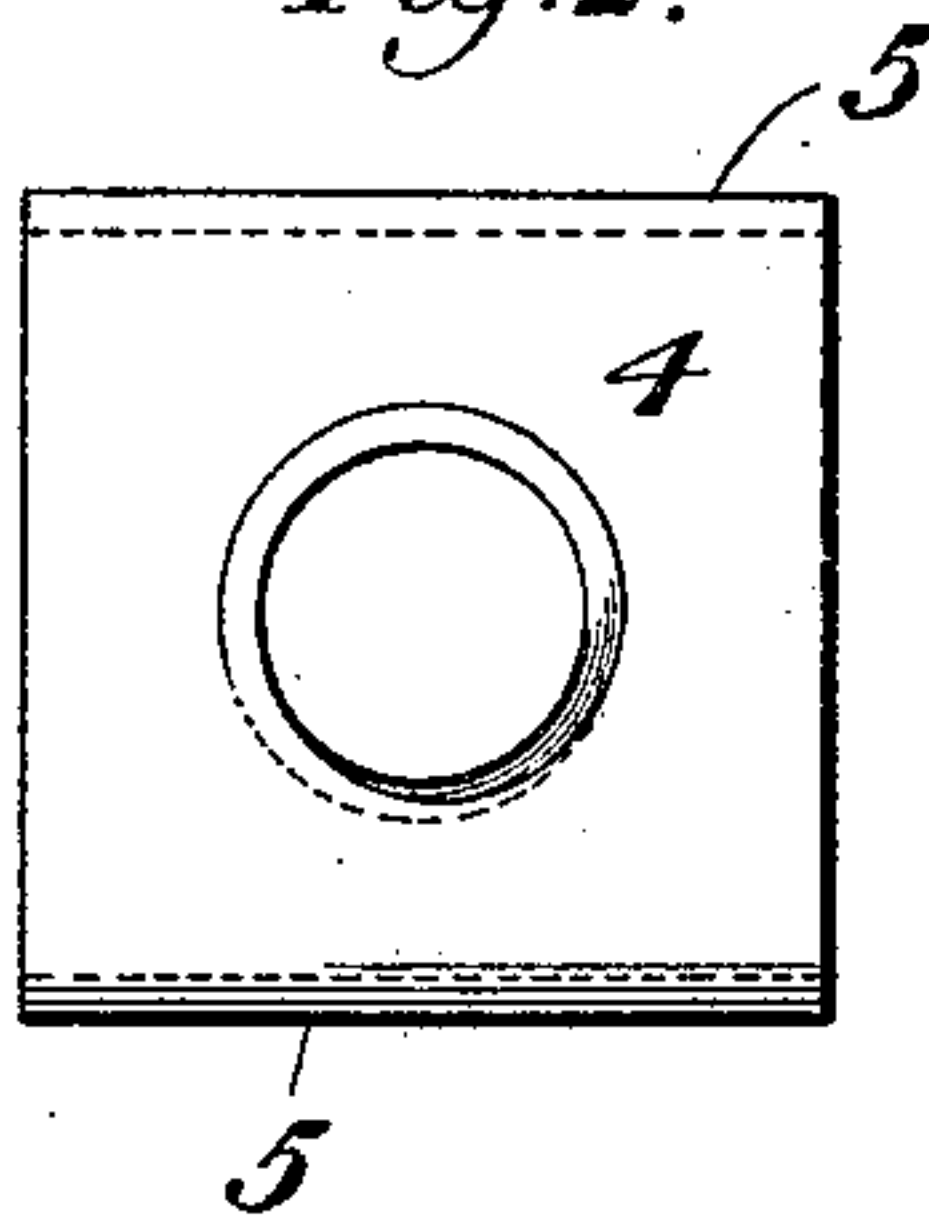


Fig. 5.

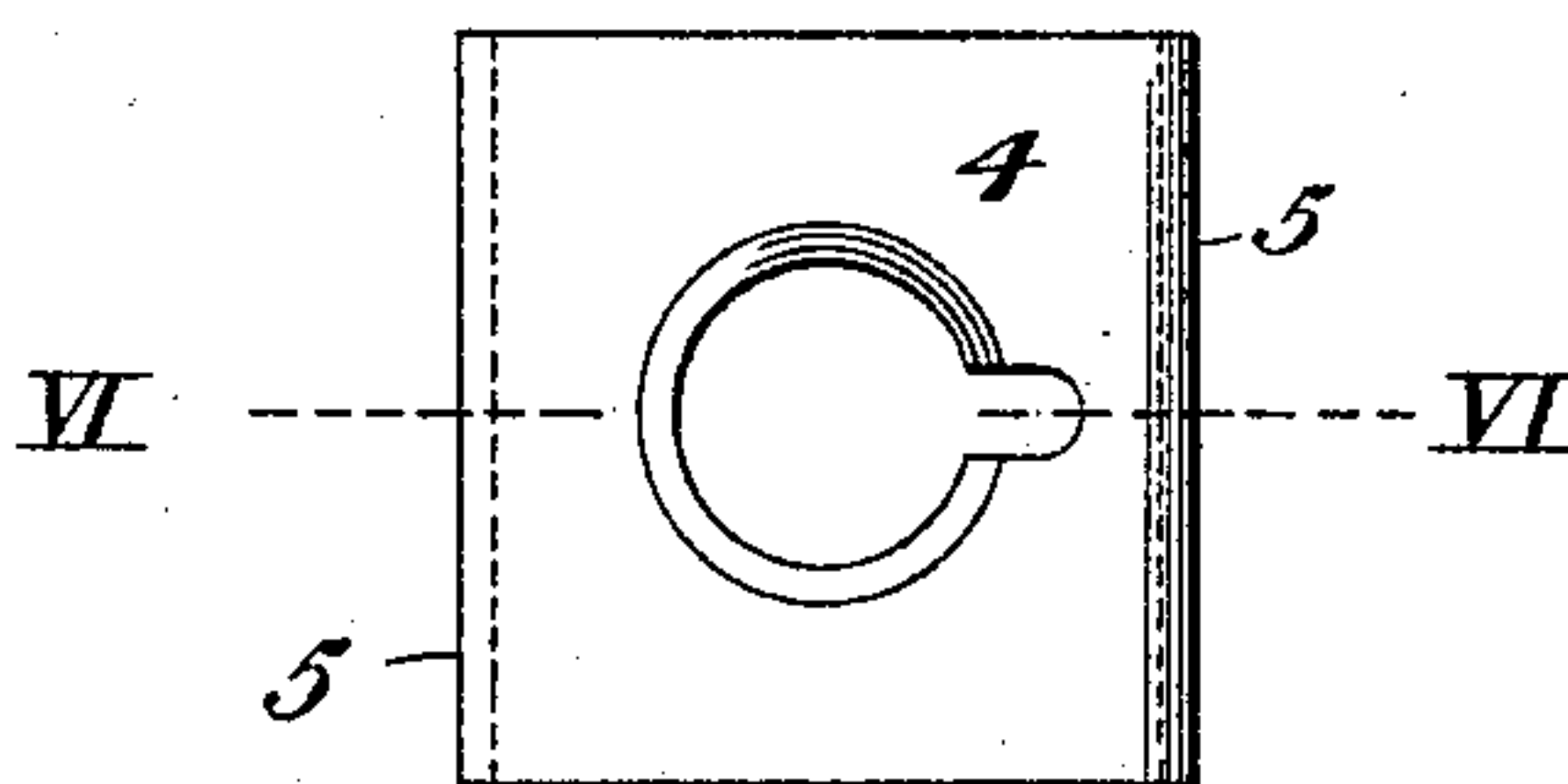


Fig. 3.

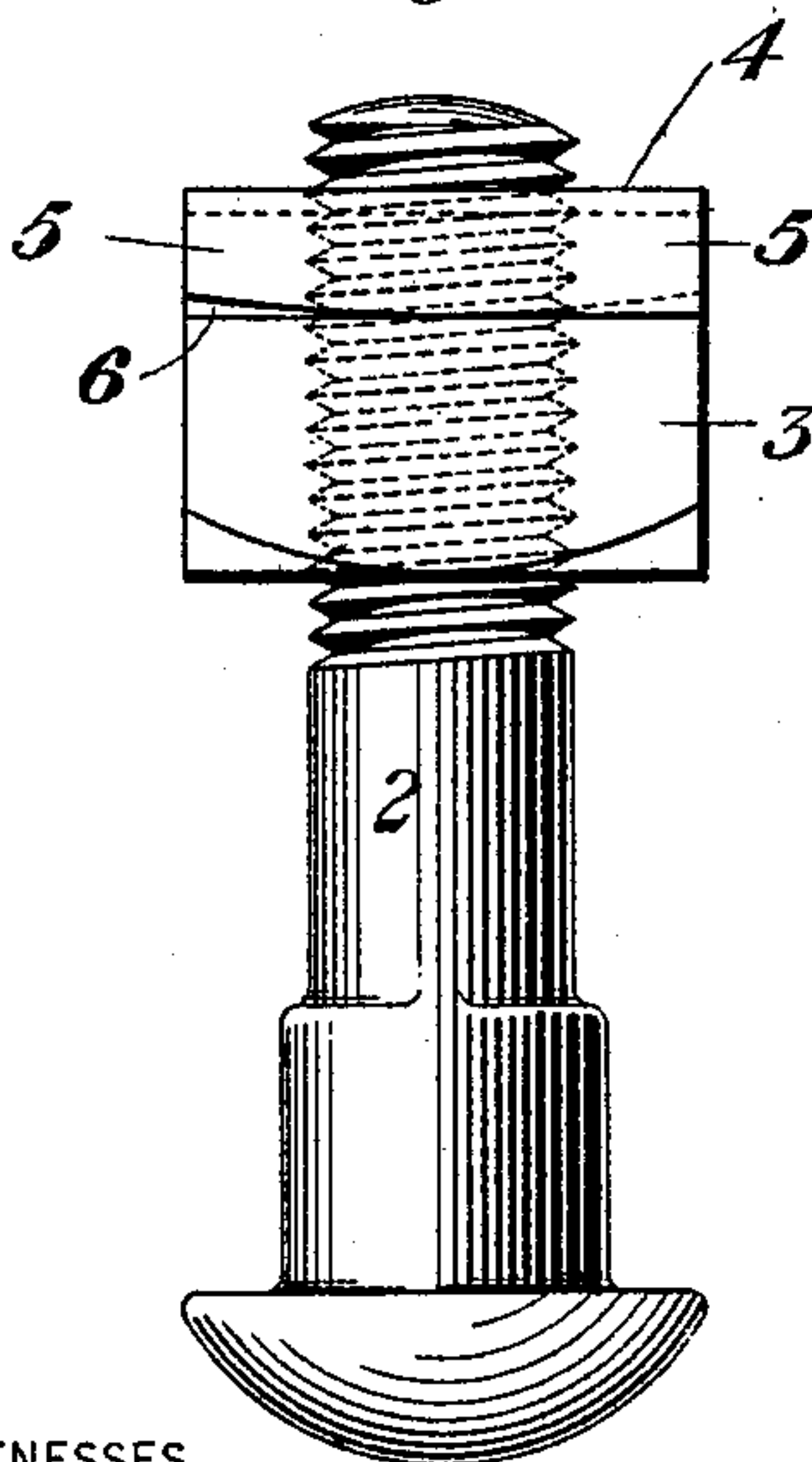
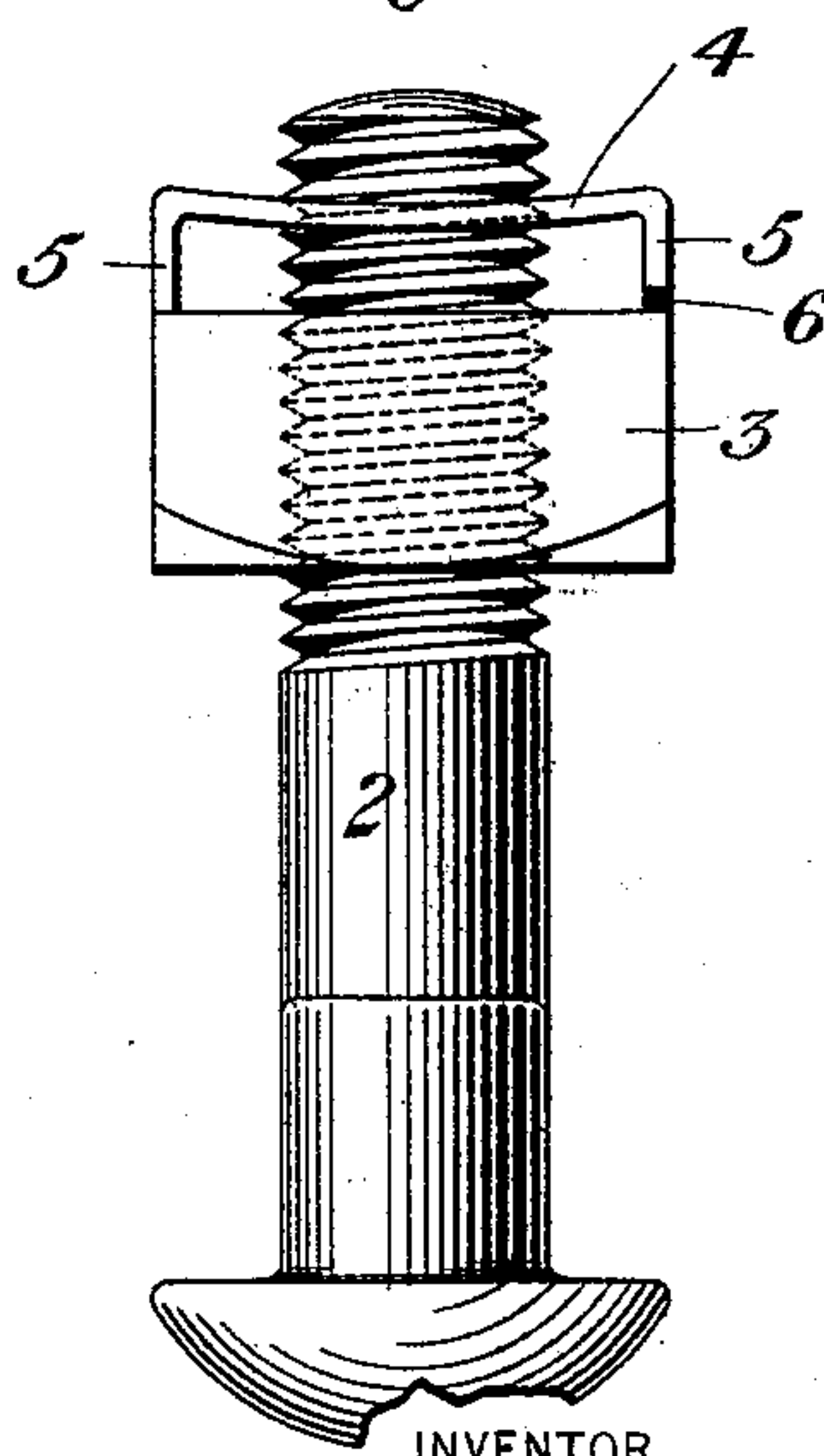


Fig. 4.



WITNESSES.

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By

UNITED STATES PATENT OFFICE.

JACOB WURTHNER, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF THREE-FOURTHS TO DON STEHLE, JULIUS SCHIRRA, AND MATHIAS SCHAEDELE, OF SAME PLACE.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 606,109, dated June 21, 1898.

Application filed October 21, 1896. Serial No. 609,628. (No model.)

To all whom it may concern:

Be it known that I, JACOB WURTHNER, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented or discovered a new and useful Improvement in Nut-Locks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this application, in which—

Figure 1 is a perspective view of my improved nut-lock. Fig. 2 is a plan view thereof. Fig. 3 is a side elevation of a bolt and nut equipped with the lock. Fig. 4 is a similar view at right angles to Fig. 3. Fig. 5 is a plan view illustrating a modified form in which a cut is made in the side of the central hole and the edges deflected spirally. Fig. 6 is a cross-sectional view on the line VI VI of Fig. 5.

Similar numerals of reference refer to like parts wherever used throughout this specification.

My invention consists of a nut-lock designed to be applied to the projecting end of a bolt and to have a spring bearing upon the nut and threads, whereby the nut is effectually prevented from turning on the bolt.

Referring to the drawings, 2 is a bolt provided with a nut 3, which may be square or hexagonal, as desired.

The nut-lock 4 is formed of thin sheet metal, being when finished approximately rectangular in shape, having the ends 5 turned down at right angles to the body portion, so as to bear against the face of the nut when applied, and also by reason of the turned-down sides offering bearing-surfaces for a wrench.

It is desirable that the lock shall conform in its lateral dimensions to those of the nut to which it is to be applied, so that the same wrench may be used to turn it as is used on the nut. The center body portion of the lock is internally threaded, so that it may be screwed upon the bolt, and each turned-down side 5 is somewhat rounded at the advancing end 6, thereby constituting a roller-bottom, facilitating its application and giving the plate when screwed down hard an opportunity

to spring upwardly from the other corner. When screwed down so that the edges bear upon the nut, further turning of the lock will cause the center portion to be sprung down, as in Fig. 4, and to bind very hard upon the thread of the bolt. I have found in practice that when so locked in position it is impossible to start the nut without first loosening the lock, owing to the great binding pressure upon the threads, and any tendency of the nut to unscrew only serves to increase such binding action.

The rectangular shape of the lock renders it very easy of application without changing the wrench, and this feature of my invention is very valuable, as by it the use of special tools is avoided.

In addition to its great effectiveness my lock is very simple and cheap and can be easily and quickly applied.

While I have shown a nut of rectangular shape, I do not desire to be limited to such construction, as its form may be varied within the scope of my invention.

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

1. A nut-lock composed of a thin plate, having a threaded center, and downwardly-turned ends, with the diagonally opposite lower edges of such ends rounded upwardly and adapted to bear upon the face of the nut, substantially as set forth.

2. In combination with a bolt and a nut thereon: a nut-lock having a threaded hole in the center, composed of a thin metallic plate of the same width as the nut and having downwardly-turned ends flush with the sides of the nut, curved on their lower edges, adapted to bear on the face of the nut and to spring the plate upon the threads, substantially as set forth.

In testimony whereof I have hereunto set my hand this 11th day of July, 1896.

JACOB WURTHNER.

Witnesses:

PETER J. EDWARDS,
C. M. CLARKE.