

No. 609,325.

Patented Aug. 16, 1898.

**E. D. BOASSO.**  
**WEIGHTED NUT LOCK.**  
(Application filed July 26, 1897.)

(No Model.)

Fig 1

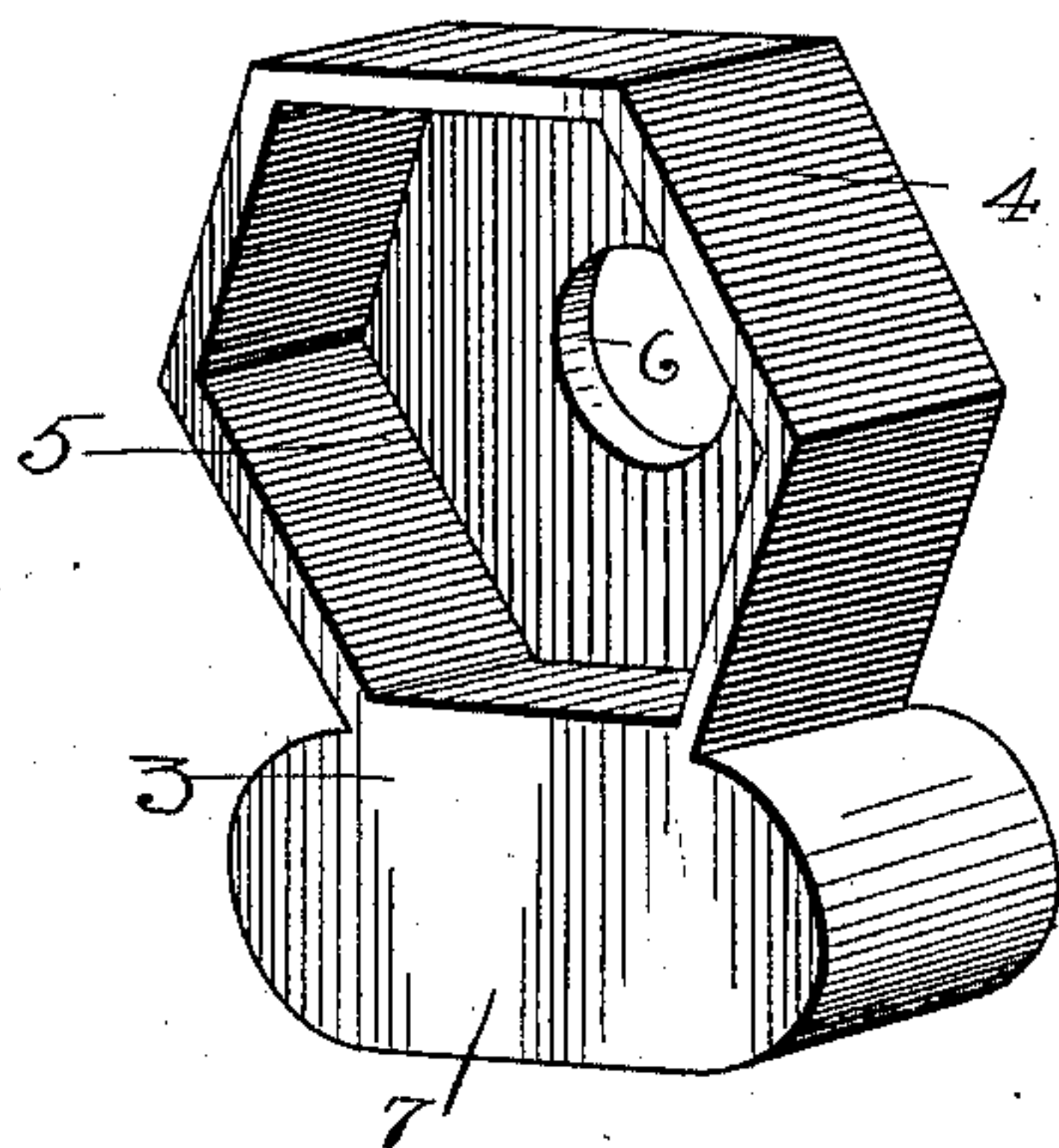


Fig 3

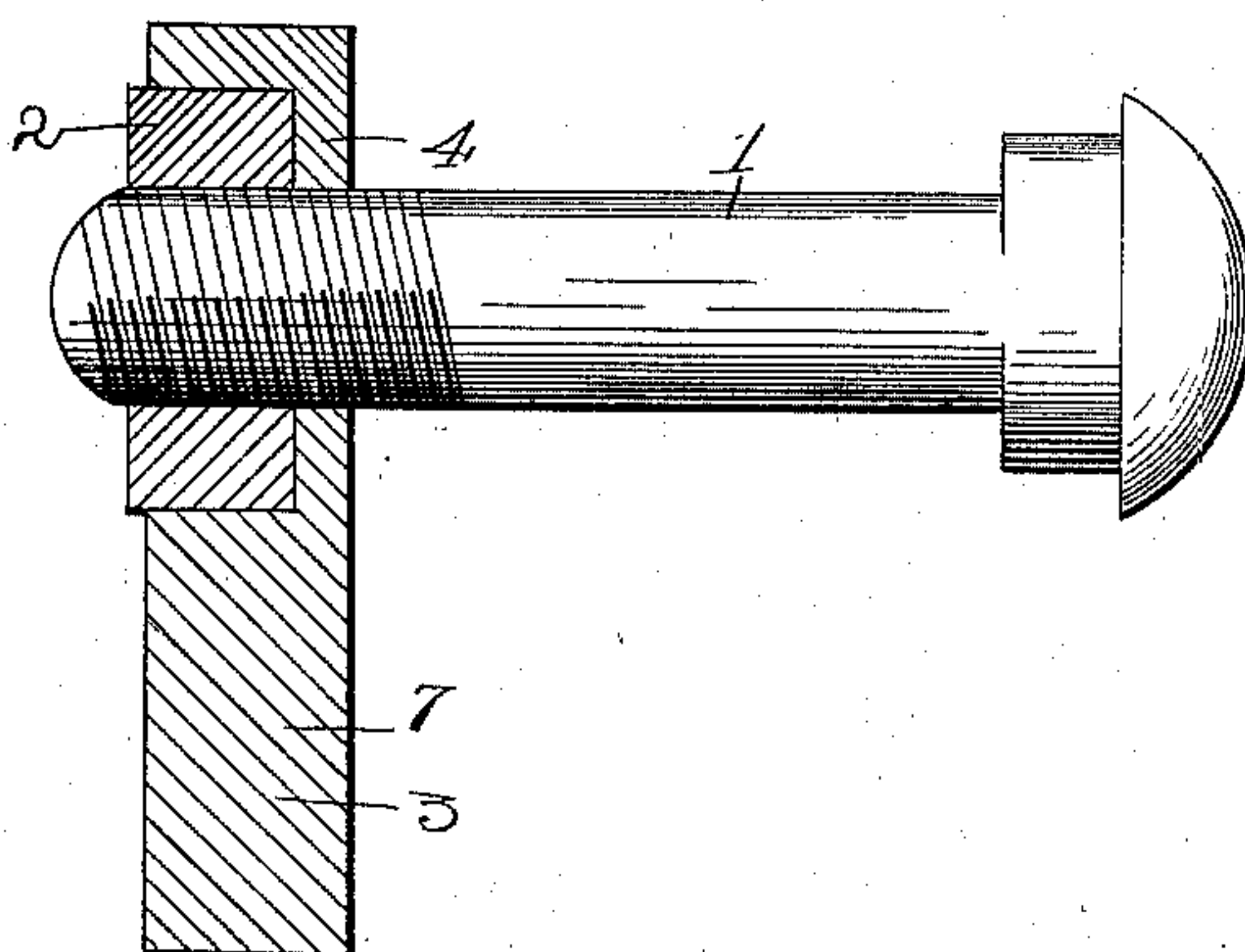


Fig 2

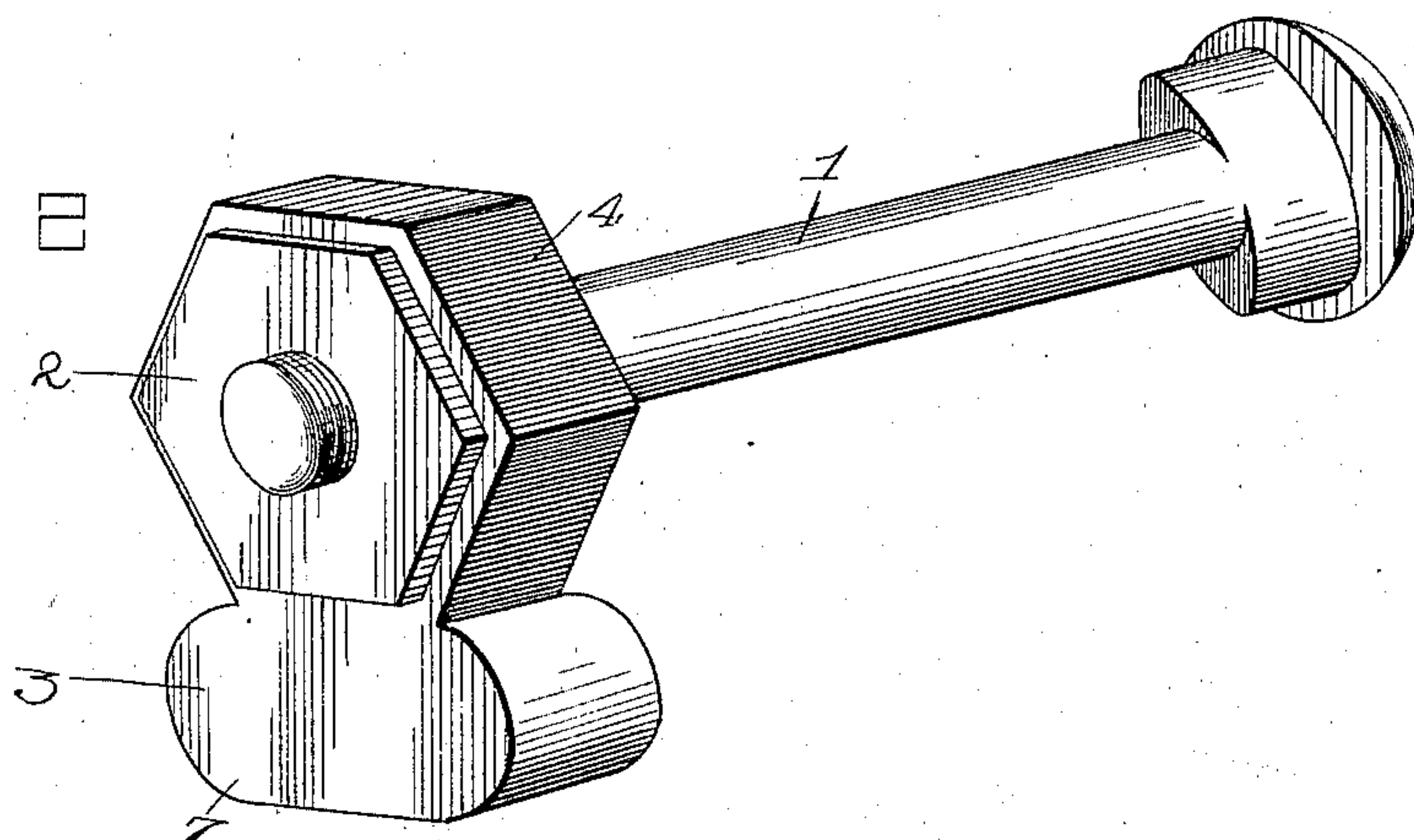
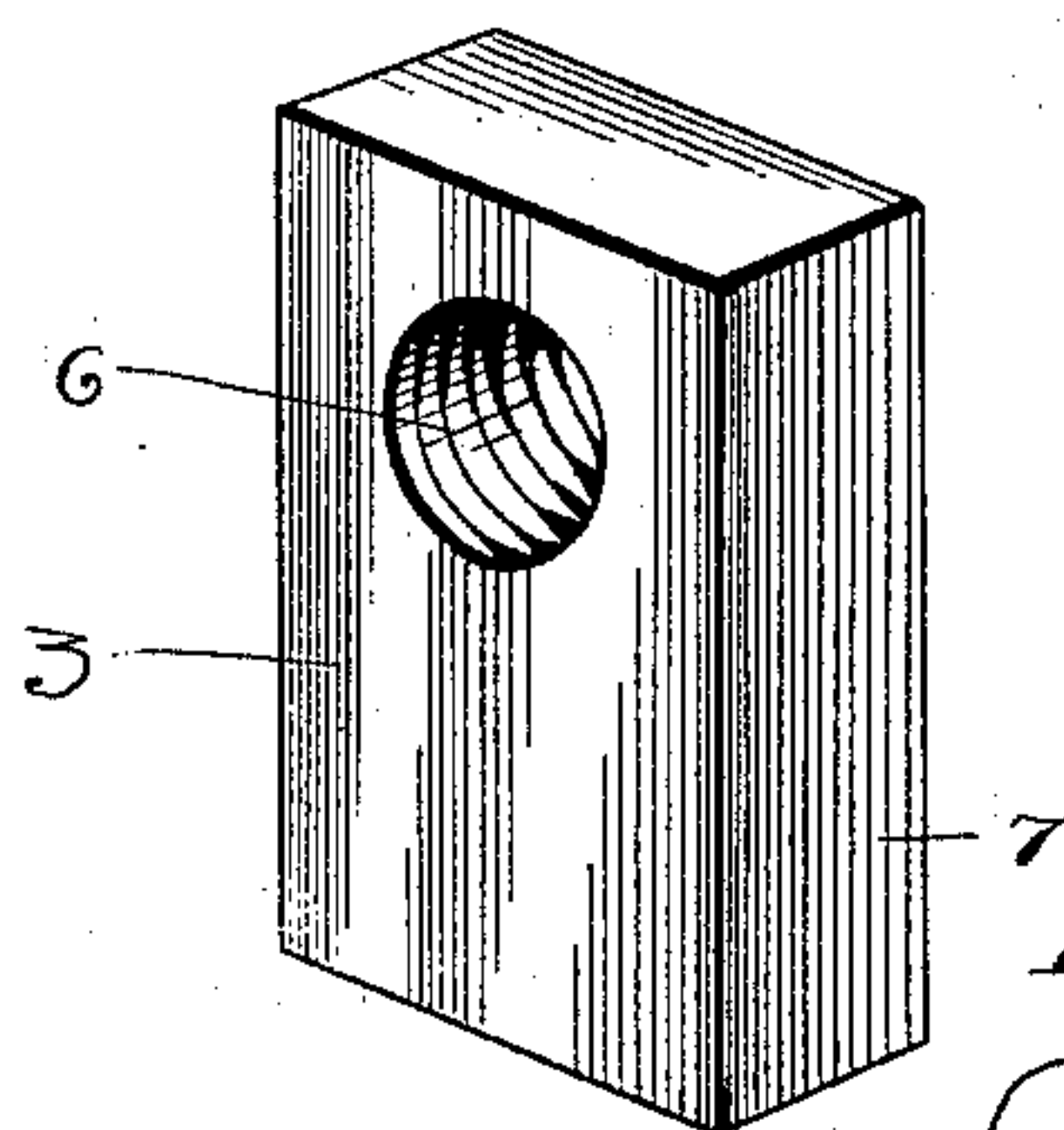


Fig 4



Witnesses  
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# UNITED STATES PATENT OFFICE.

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TO HERBERT M. COTTEN, OF SAME PLACE.

## WEIGHTED NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 609,325, dated August 16, 1898.

Application filed July 26, 1897. Serial No. 645,986. (No model.)

*To all whom it may concern:*

Be it known that I, EUGENE D. BOASSO, of Charenton, in the parish of St. Mary and State of Louisiana, have invented certain new and useful Improvements in Weighted Nut-Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in nut-locks; and it consists of certain novel constructions, which will be hereinafter more particularly set forth and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 represents a perspective view of the nut-lock embodying my invention. Fig. 2 represents a similar view of the same applied to the fish-plate bolt of a rail with the nut in position. Fig. 3 represents a central vertical section through the devices illustrated in Fig. 2, and Fig. 4 is a view of a modified form of my invention.

1 in the drawings represents the bolt, 2 the nut mounted upon the same, and 3 my improved nut-lock. This latter comprises a body portion 4, preferably hexagonal in shape and formed with a similar-shaped recess 5, adapted to receive the nut 2. Said body portion 4 is further provided with a central aperture 6, adapted for the passage of the bolt 1 therethrough. A weight 7, of any desired outline, is secured to the bottom of the body portion 4, so as to prevent any rotation of the latter without lifting said weight.

When my improved lock is to be applied in position, the same is first slipped onto the bolt before the nut is applied. The nut is then screwed into position until it can no longer be rotated independently of the nut-lock. The lock is then moved forward, so that the nut enters the recess 5, and said nut and lock rotated together until the nut has become sufficiently tight. It will be observed from the above that any rotation of the nut will tend to move the weight 7 either to one side or the other. The gravity of said weight 7 will thus effectually prevent any rotation of the nut-lock and the nut rigidly held in the recess 5. There is no danger of the nut-

lock slipping from the nut, as the latter lies in the recess 5 with the body portion surrounding the aperture 6 lying between it and the plate against which the nut is being bolted.

This nut-lock is particularly applicable to the fish-plates of railways, as the constant jarring and shaking of the bolts tends to loosen the nuts; but with my improved lock such loosening becomes impossible, as the jarring action is not sufficient to overcome the weight 7, which necessarily follows the rotation of the nut.

The lock is simple and cheap in construction, but at the same time very effective, as when once applied in position it insures against any accidental rotation of the nut, but at the same time may be instantly detached by applying a wrench to the body portion and unscrewing the nut and lock together.

While the foregoing description comprehends what is perhaps the preferable embodiment of my invention, it is obvious that the simplest embodiment thereof would be a nut having a depending weight, as illustrated in Fig. 4, designed to prevent its casual rotation.

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

The combination with a bolt and nut, of a nut-lock comprising a body provided in its outer side with a recess conforming in shape and dimensions to and adapted to receive a nut so that the nut will be completely surrounded and inclosed, the inner side of the lock being closed with the exception of a round bolt-opening communicating with said recess, and a weight connected to the body and having a plane or flat lower surface with half-round ends, the closed side of the lock being designed to be clamped between the nut and the object through which the bolt passes, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

EUGENE D. BOASSO.

Witnesses:

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LUKE HAINS.