

No. 795,629.

PATENTED JULY 25, 1905.

K. A. LUND.
NUT LOCK.

APPLICATION FILED APR. 17, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

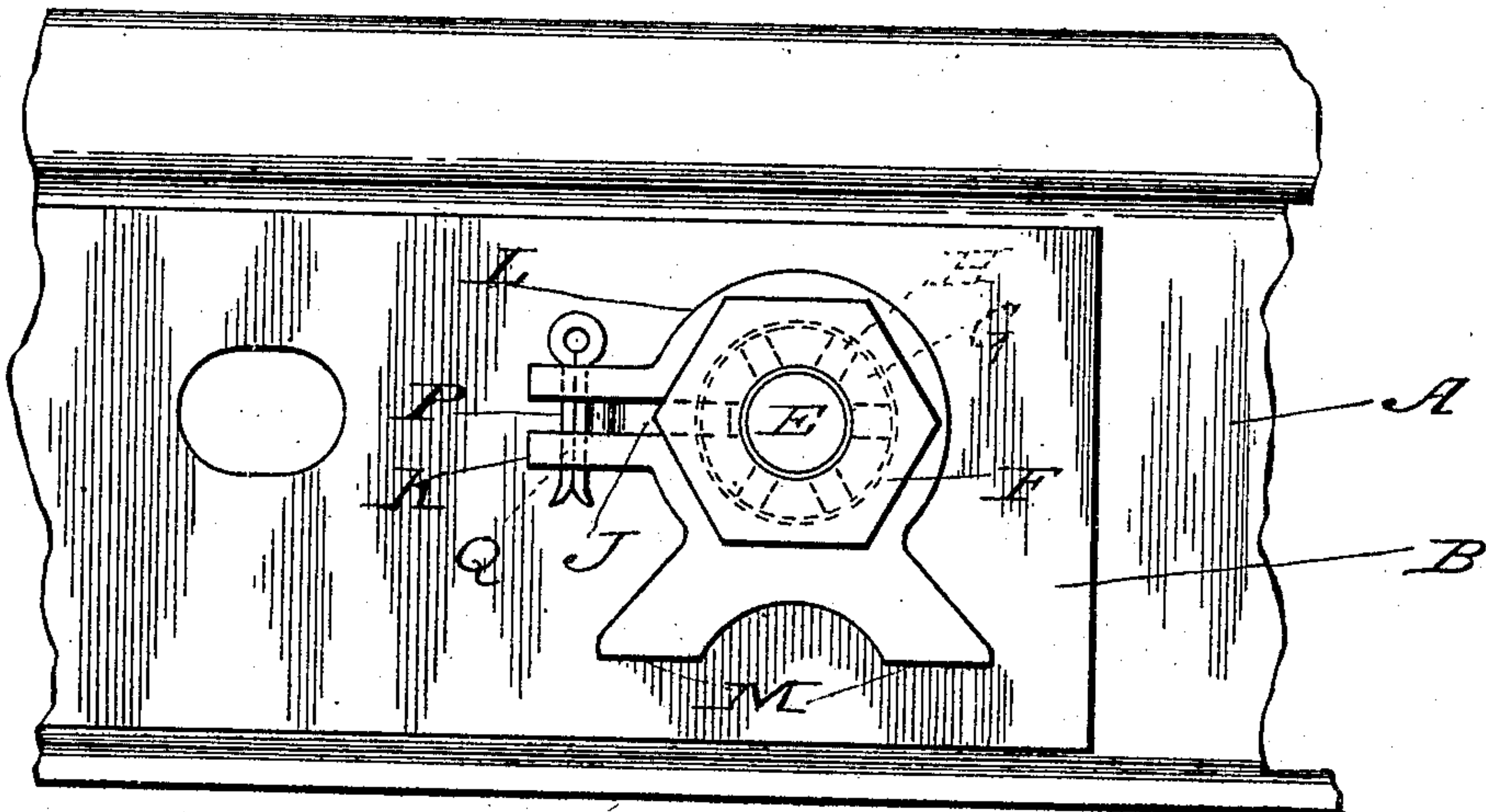
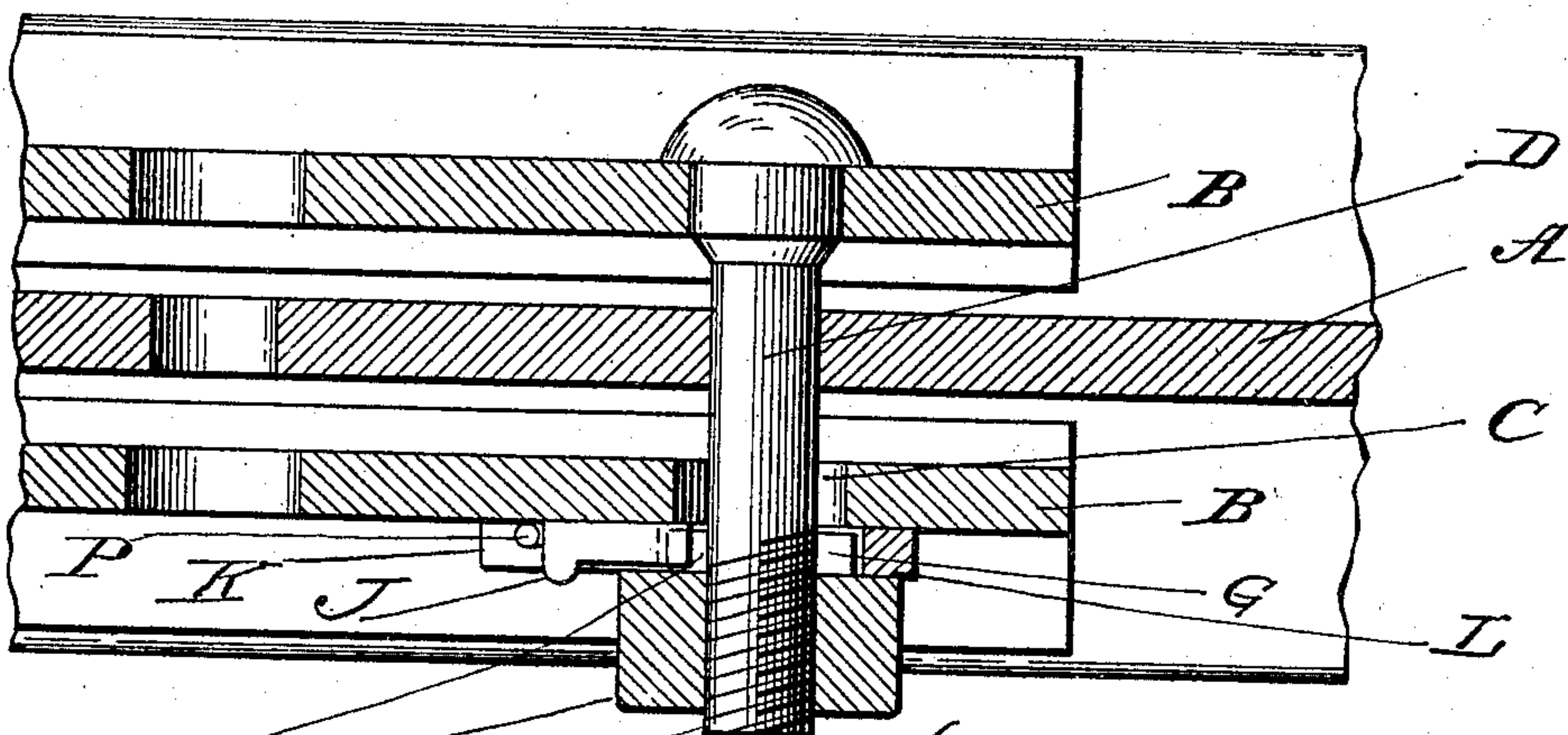


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

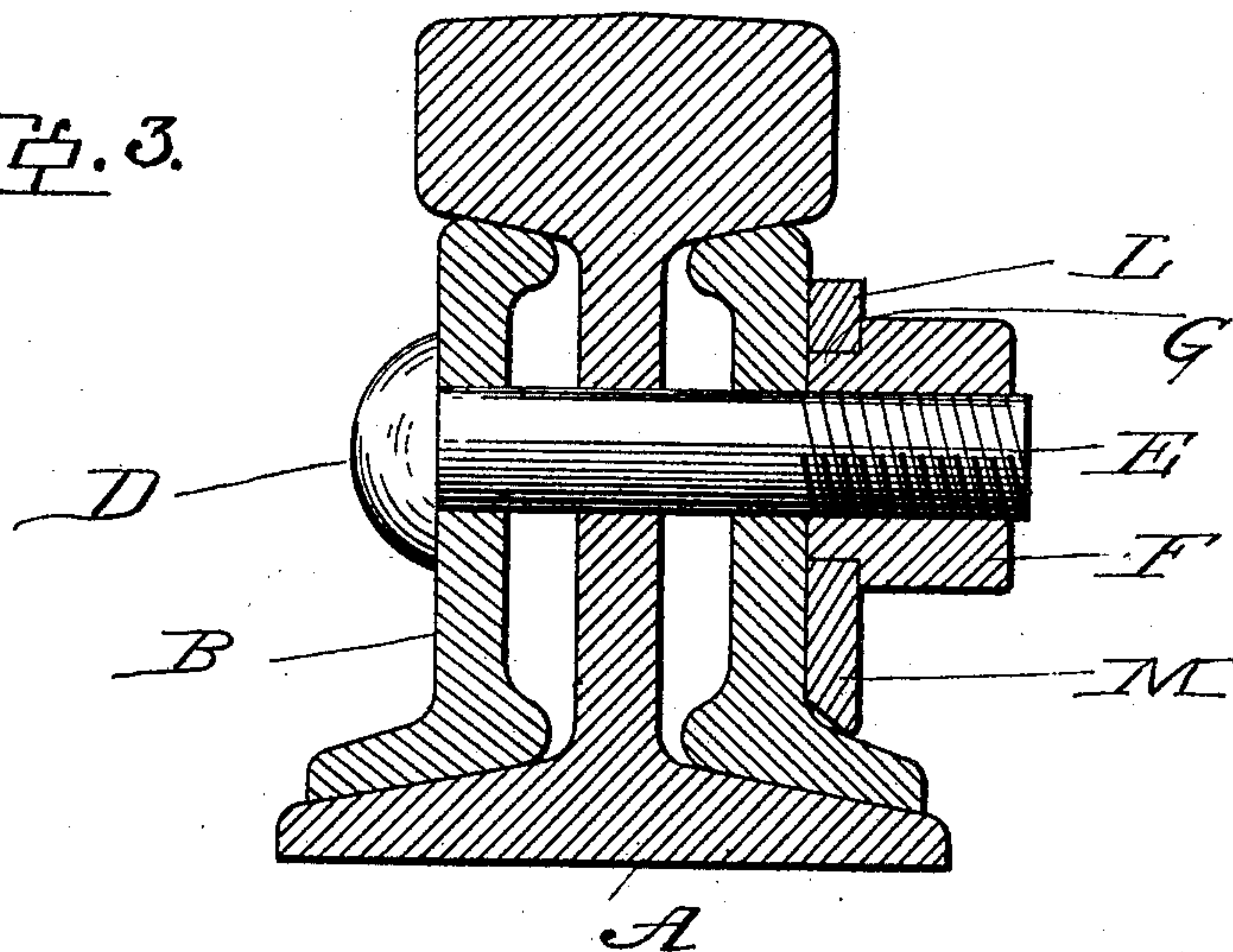


Fig. 4.

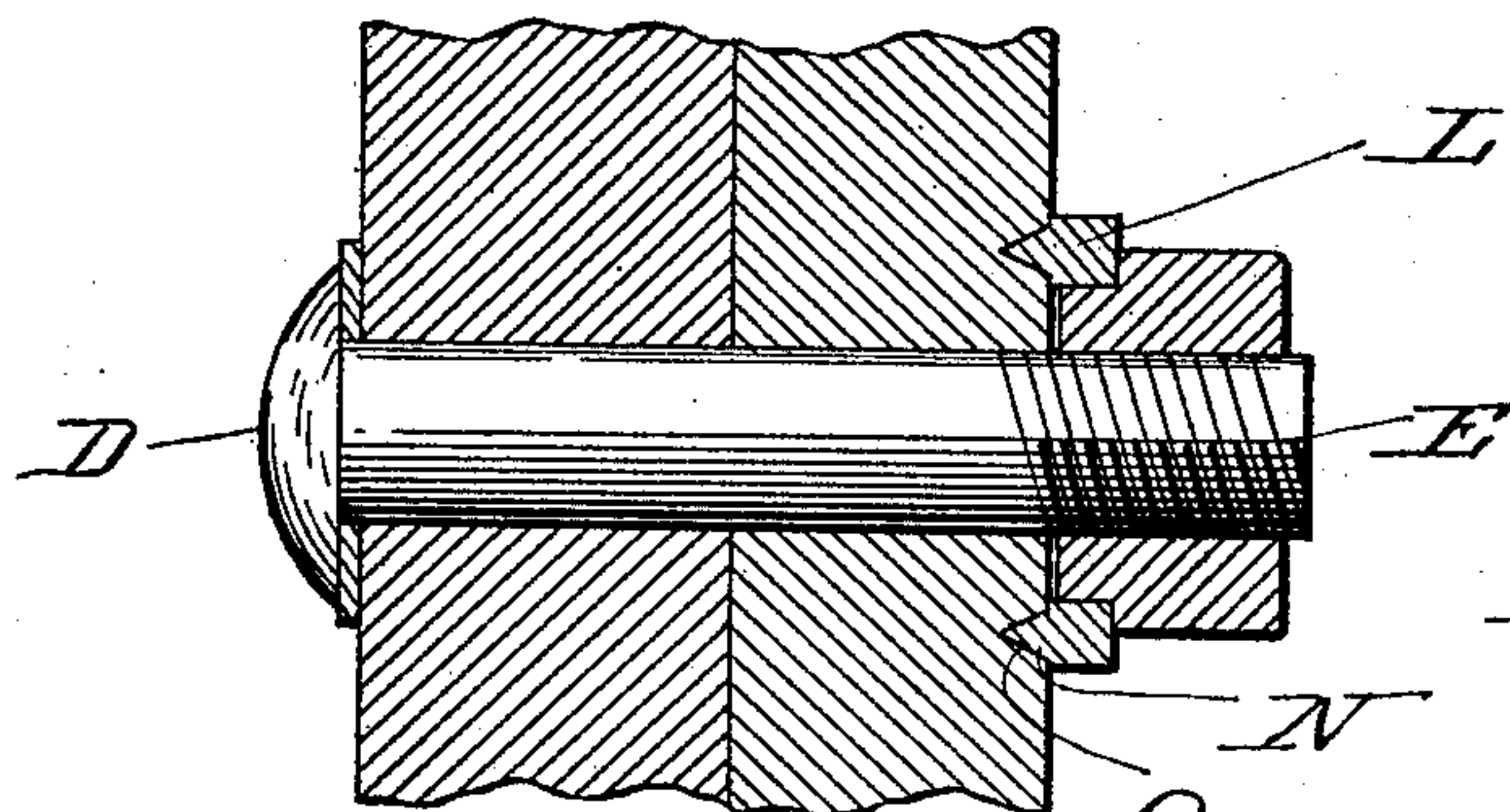
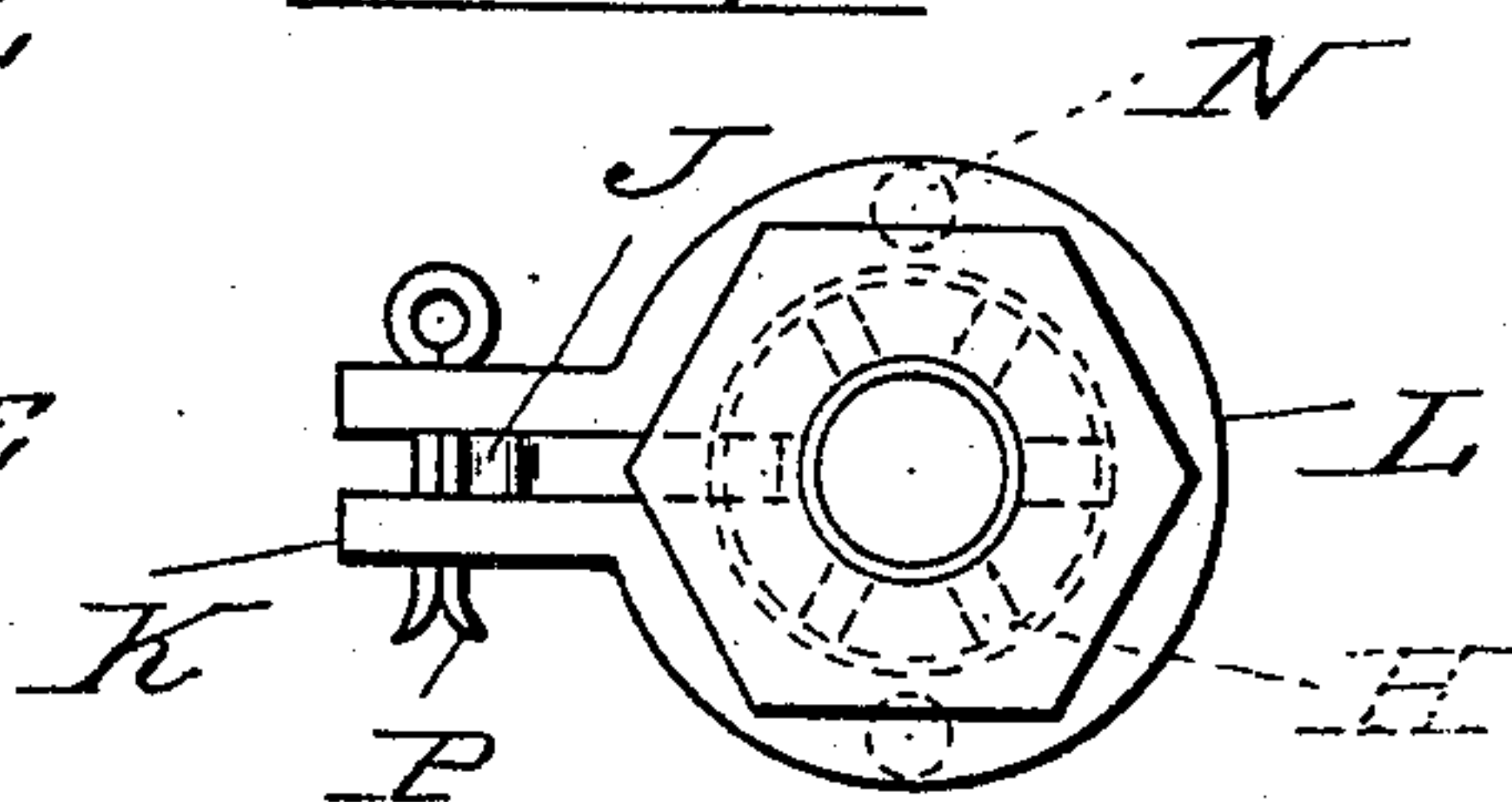


Fig. 5.



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UNITED STATES PATENT OFFICE.

KARL ALFRED LUND, OF AKRON, OHIO.

NUT-LOCK.

No. 795,629.

Specification of Letters Patent.

Patented July 25, 1905.

Application filed April 17, 1905. Serial No. 255,983.

To all whom it may concern:

Be it known that I, KARL ALFRED LUND, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Nut-Locks, of which the following is a specification.

My invention relates to improvements in nut-locks, and refers particularly to a nut-lock specially adapted and constructed for use upon railroad-rails for locking the nuts employed in securing the meeting ends of the rails; and the main object of my invention is the provision of a nut-lock which will absolutely and positively lock the nut and prevent accidental detachment and which can be easily and quickly applied and removed when desired and which will be efficient and practical in every particular.

To attain the desired object my invention consists of a nut-lock embodying novel features of construction and combination of parts, substantially as disclosed herein.

Figure 1 represents a side elevation of a nut-lock constructed in accordance with and embodying my invention in position for use upon a rail. Fig. 2 represents a horizontal sectional view, and Fig. 3 represents a vertical transverse sectional view. Fig. 4 represents a horizontal sectional view of a slightly different or modified form of my nut-lock, and Fig. 5 represents a front or side elevation thereof.

In the drawings the letter A designates a portion of a rail, and B designates the fish-plates arranged in proper relation with reference to the web of the rail, the fish-plates and web having the usual bolt-openings C for the reception or passage of the bolts D, having the threaded end E to receive the nuts F, such nuts being provided with the collar or annular ring G, provided with a series of recesses or seats H to receive the locking pin or key J, fitted in the lateral guide K of the plate L, which is provided with legs M, which engage the fish-plate to secure the plate from turning, or said plate may be circular and pro-

vided with barbs or studs N, which engage sockets O in the fish-plate to secure the plate from turning. From this construction it will be observed that the plate is held in place and prevented from turning by means of the legs or the barbs and that when the nut has been screwed home the locking-key is pushed into the proper seat on the collar of the nut and the nut is positively locked upon the bolt, and to secure the locking-pin from detachment I provide the vertical securing or fastening device P, which passes through openings Q in the lateral guide or arms of the plate.

It is evident that I provide a nut-lock which can be applied with ease to the rails and fish-plates in general use, and that it is absolutely impossible for the nuts to work loose or become detached, and that the device is the embodiment of simplicity, durability, and inexpensiveness.

I claim—

1. In a nut-lock, the combination with the bolt, a nut on the bolt formed with a collar, recesses in said collar, of a plate surrounding said collar and having depending legs to engage the fish-plate, a lateral guideway in said plate, a locking-key in said guideway adapted to engage one of the recesses in the collar and means for securing the locking-pin in the guideway.

2. A nut-lock consisting of a bolt, a nut on said bolt formed with a collar on its inner face, radial seats or recesses in said collar, a plate surrounding said collar having means engaging the fish-plate to prevent turning of the plate, lateral guides formed on said plate, a key fitting between said guides and engaging one of the seats of the collar, and a pin secured in the guides and engaging the end of the key to secure the key in locking position.

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

KARL ALFRED LUND.

Witnesses:

JACOB PETER LUND,
CHARLES E. BRADY.