

(No Model.)

W. N. NOLAN.
TAPPET.

No. 444,649.

Patented Jan. 13, 1891.

Fig. 1.

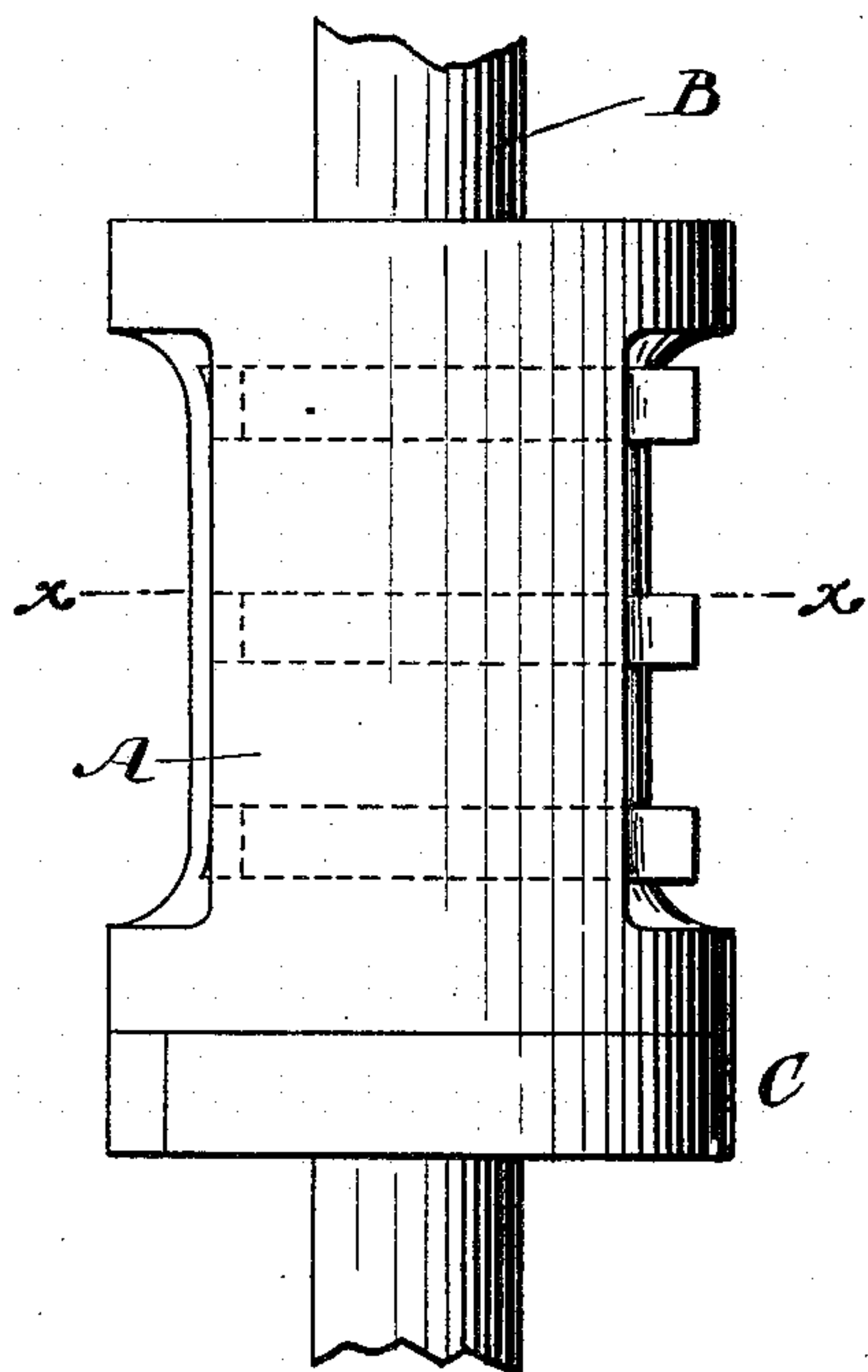


Fig. 2.

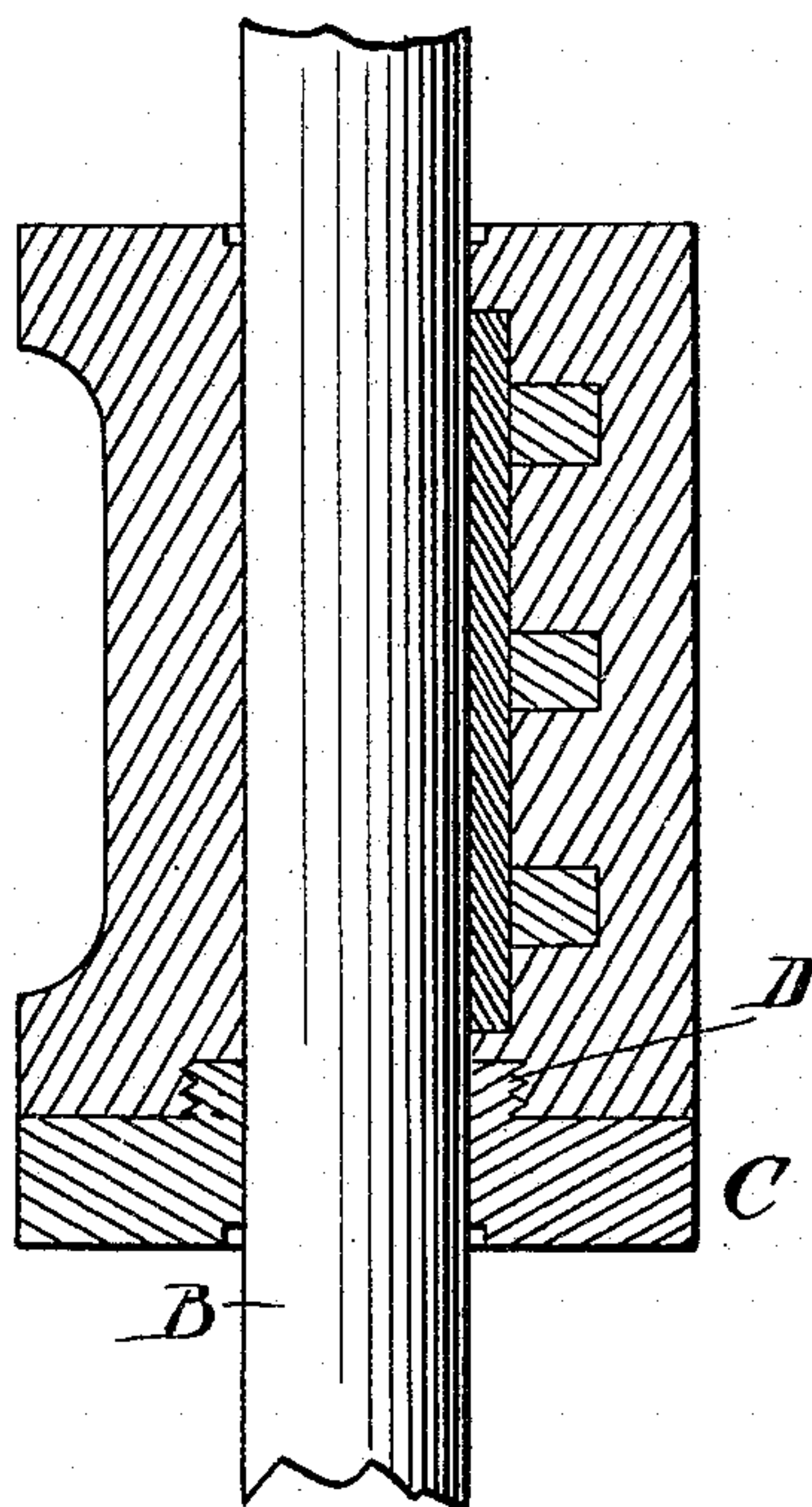


Fig. 3.

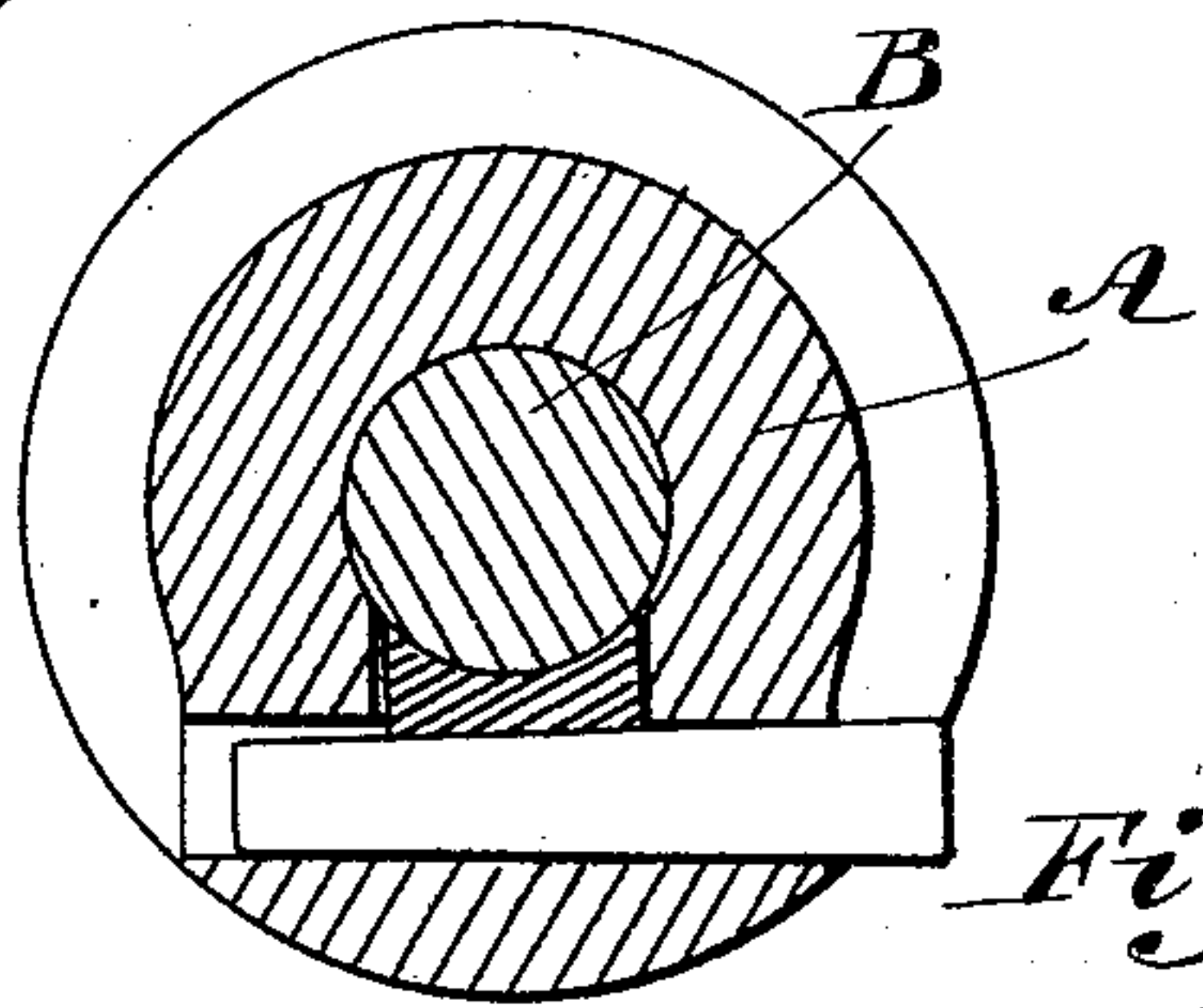


Fig. 4.

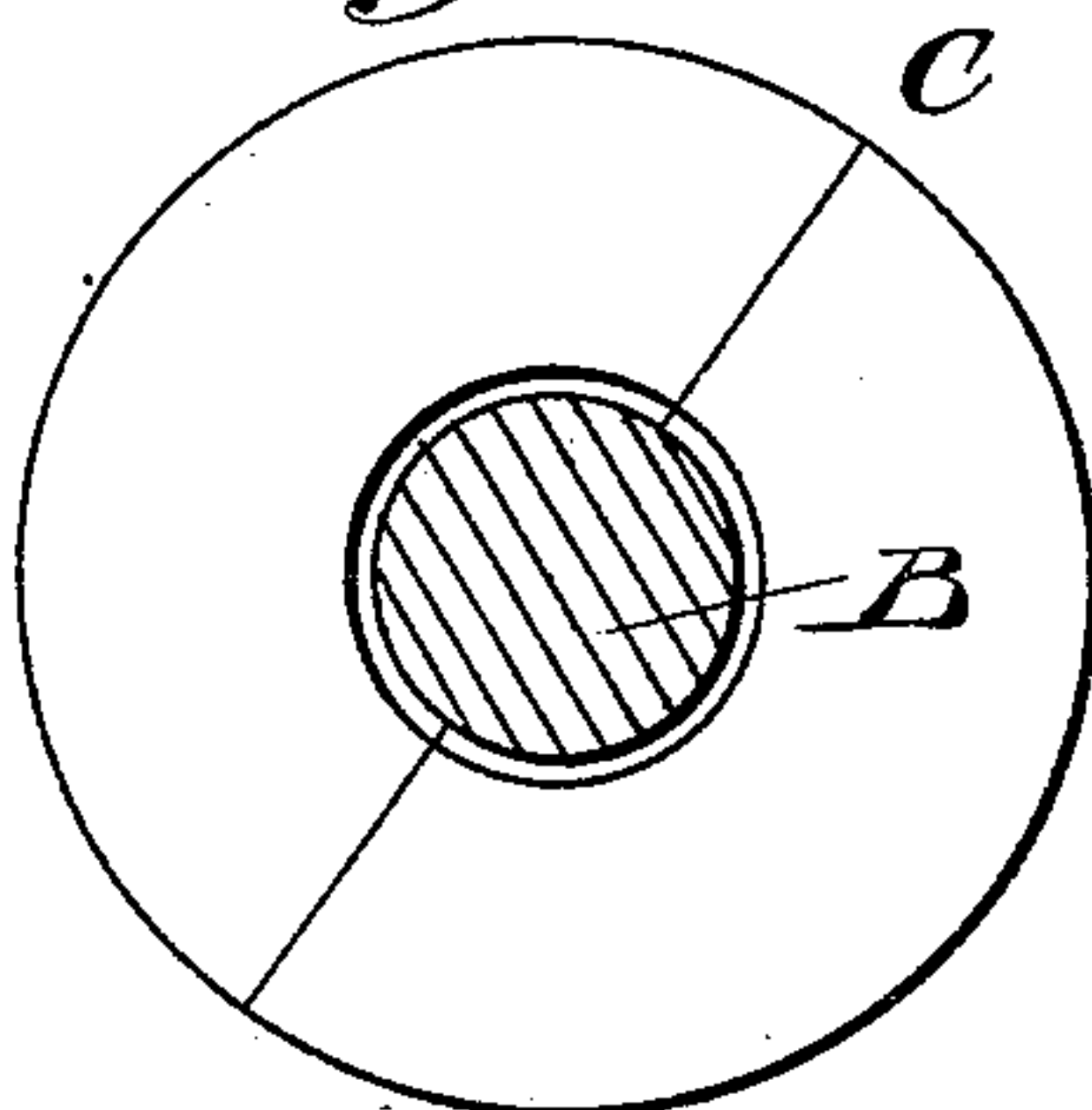
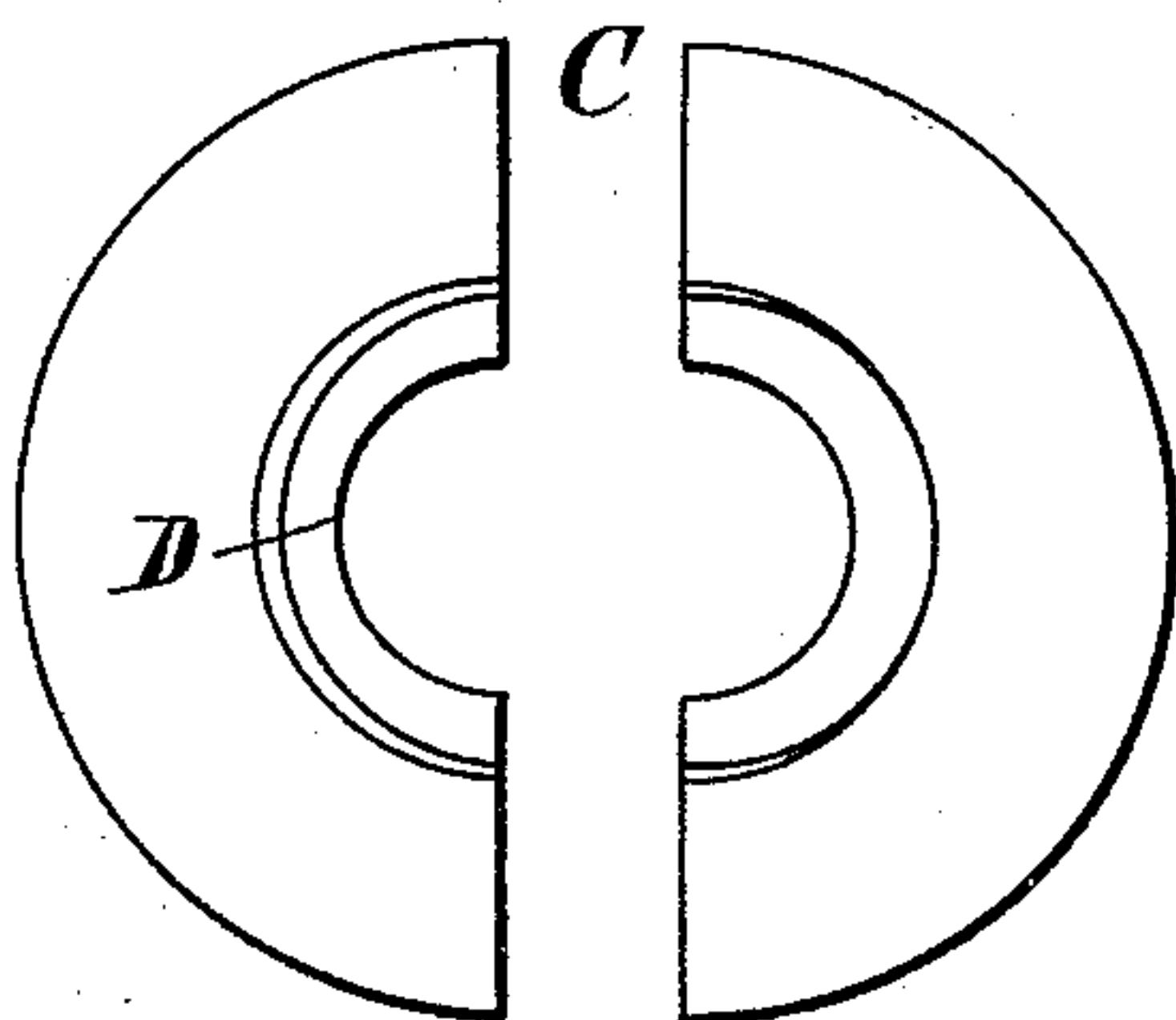


Fig. 5.



WITNESSES:
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UNITED STATES PATENT OFFICE.

WALTER N. NOLAN, OF EL ORO, TULTENANGO, MEXICO.

TAPPET.

SPECIFICATION forming part of Letters Patent No. 444,649, dated January 13, 1891.

Application filed September 27, 1890. Serial No. 366,346. (No model.)

To all whom it may concern:

Be it known that I, WALTER N. NOLAN, of El Oro, Tultenango, Mexico, have invented a new and Improved Tappet, of which the following is a full, clear, and exact description.

The invention relates to tappets for stamping and other mills; and its object is to provide a new and improved tappet which is simple and durable in construction, and permits of quickly removing a worn-out face and inserting a new one.

The invention consists of a sectional ring adapted to screw into the tappet-body.

The invention also consists of certain parts and details and combinations of the same, as will be hereinafter fully described, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the improvement. Fig. 2 is a transverse section of the same. Fig. 3 is a sectional plan view of the same on the line xx of Fig. 1. Fig. 4 is an inverted plan view of the ring with the stem in section, and Fig. 5 is a plan view of the sectional ring with the sections apart.

The improved tappet is provided with the tappet-body A, keyed or otherwise fastened to the stem B. On the under side of the tappet-body A is arranged the face C, preferably made in ring shape and formed of two or more sections. On the face C is formed a hub D, provided with an exterior thread adapted to screw into a corresponding thread formed on the under side of the tappet-body A, concentric with the stem B.

The thread on the tappet-body A is arranged in the direction of the travel of the cam, so that an accidental unscrewing of the face is impossible. For instance, if the cam is right-handed the thread on the tappet-body is left-

handed, and vice versa. When the face C is worn out, it is easily unscrewed from the tappet-body A, and when unscrewed the two or more sections can be readily taken off of the stem B. A new face can then be screwed on the under side of the tappet-body. Thus much time is saved in adjusting the face to the tappet-body, and only one stem is raised at a time and sufficiently high to allow for the worn-out face to be removed.

A suitable instrument may be employed for unscrewing or screwing up the faces. Old discarded tappets may be faced up and fitted with rings, thereby saving an enormous expense to mills. It will be seen that the faces when adjusted on the tappet form a smooth level surface for the cams to operate on. The threads on the tappet will not give out, as the weight of the stem principally comes on the face of the tappet.

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

1. In a tappet, a face formed by a ring split diametrically in sections and adapted to screw into the tappet-body, substantially as shown and described.

2. In a tappet, the combination, with the tappet-body, of a face formed by a ring split diametrically in sections, the said face being provided with a threaded hub adapted to screw into the tappet-body, substantially as shown and described.

3. In a tappet, the combination, with the body, of a face formed of a sectional ring provided with a hub having a thread running in an opposite direction to the movement of the cam, substantially as shown and described.

WALTER N. NOLAN.

Witnesses:

ED. WILLIAMS,

E. W. NOTEWARE.