

No. 742,401.

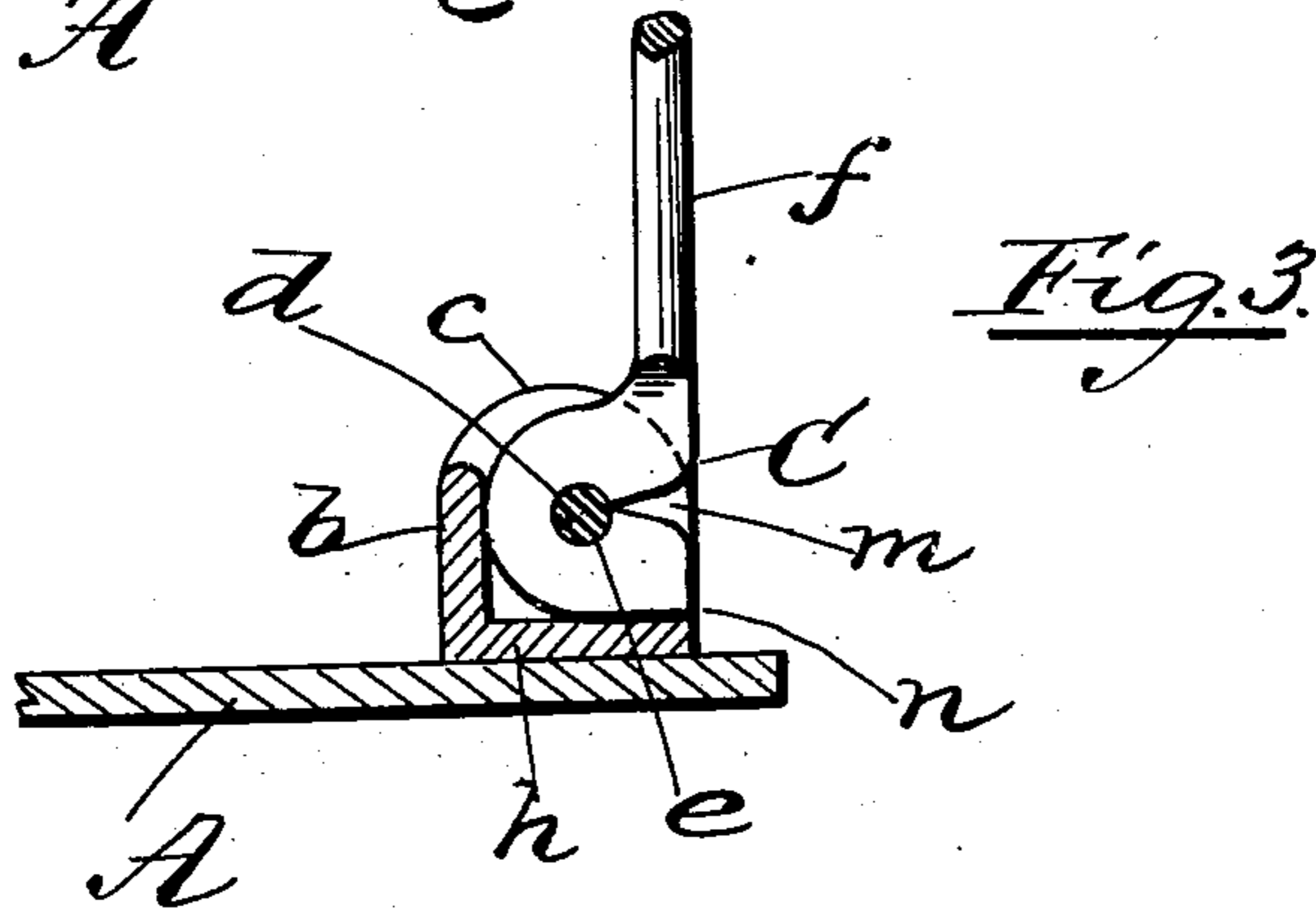
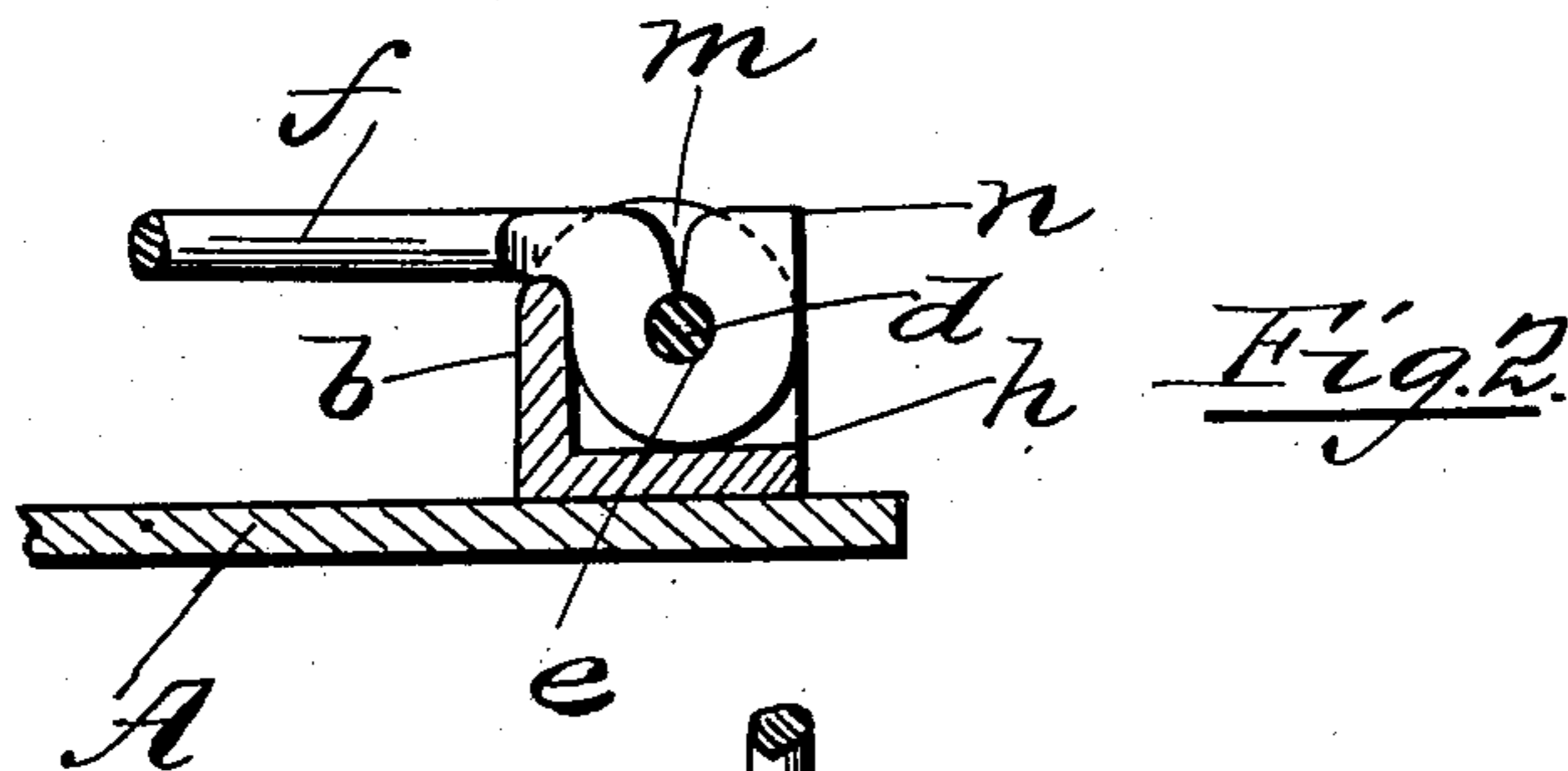
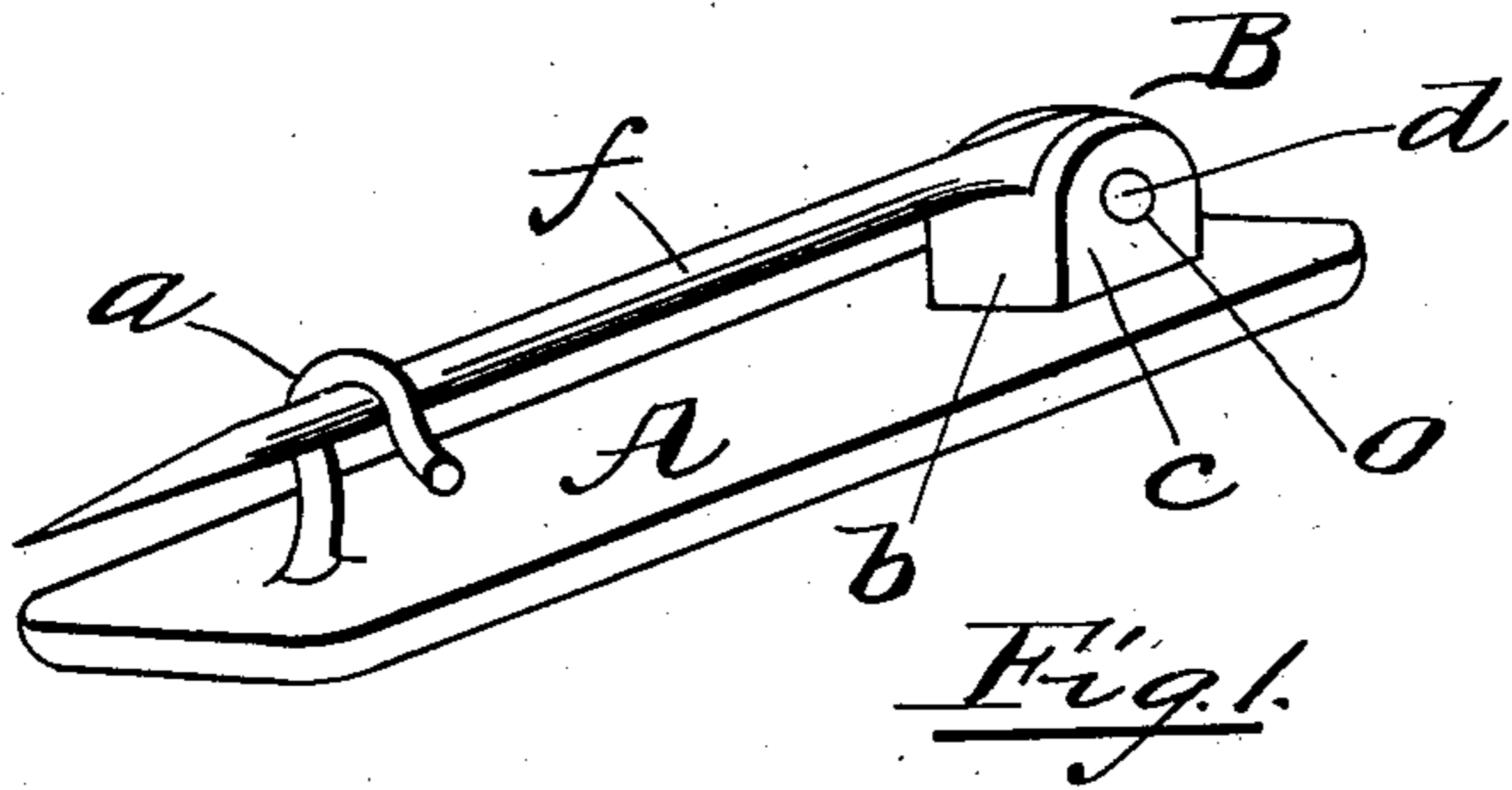
PATENTED OCT. 27, 1903.

G. W. DOVER.

PIN.

APPLICATION FILED MAY 20, 1903.

NO MODEL.



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UNITED STATES PATENT OFFICE.

GEORGE W. DOVER, OF PROVIDENCE, RHODE ISLAND.

PIN.

SPECIFICATION forming part of Letters Patent No. 742,401, dated October 27, 1903.

Application filed May 20, 1903. Serial No. 158,004. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. DOVER, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Pins, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to pin-tongues, and has for its purpose the ends commonly sought in such structures, but more particularly to provide a novel stop for the rearward travel of the tongue integral with itself.

In the drawings, wherein like reference-letters indicate like parts throughout the views, Figure 1 is a perspective view of my new pin-tongue mounted upon a brooch; Fig. 2, a partial side elevation of the tongue mounted, showing the brooch, housing, and pivot in vertical section, closed position; and Fig. 3, a similar view of the same in open position.

In detail, A represents the brooch or plate, and *a* the catch thereon.

The housing B comprises a front vertical wall *b*, base *h*, and side walls *c*, the latter perforated at *o* to receive the pivot *d*, which is fixedly mounted therein.

The tongue comprises a shaft *f* and a flat head C. The head is bent into a nearly semi-circular shape, terminating in a rectangular extremity *n*, and is provided with a central circular perforation *e*, of sufficient diameter to be a running fit upon the pivot *d*, whereon the tongue is mounted. A fold or joint *m* extends vertically from the upper edge of the head to the opening *e*. The width of this V-shaped opening is exaggerated in the drawings, being in appearance much like a fold or seam. In other words, the head is in the form of a split ear, which may be contracted or compressed about the pivot. When the brooch is in engaged position, the tongue-shaft rests upon the forward wall *b* for support and for tension. When the tongue is swung rearwardly, the projection *n* contacts with the base of the housing and tightens the grip of the bent head upon the pivot *d* and checks the rearward movement of the tongue. This particular arrangement is advantageous,

for as the pin-tongue depends upon the natural elasticity of the metal for its binding engagement with the pivot it will grow excessively loose with use. This effect is to a great extent obviated by the pinching effect secured whenever the tongue is forced rearwardly.

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

1. In a pin, the combination with a base, of a pivot carried thereby, and a pin-tongue having a split ear that is revolubly mounted on the pivot, a portion of said ear located on the side of the pivot opposite the tongue forming an extension which abuts against the base when the tongue is raised.

2. In a pin, the combination with a plate, of a housing upon the plate, a pivot mounted in the housing, a pin-tongue provided with a split ear revolubly mounted on the pivot, said ear forming a shouldered extension upon the side of the pivot opposite the tongue, which abuts against the base when the tongue is raised.

3. In a pin, the combination with a plate, of a housing upon the plate, a pivot mounted in the housing, a pin-tongue provided with a transverse perforation to receive the pivot, and an open seam extending from the perforation to the portion of the tongue on the opposite side of the pivot to the plate, the portion of the tongue in rear of said seam being constructed to abut against the plate when the tongue is swung to open position.

4. In a pin, the combination with a plate, of a pivot attached thereto, a wall located on one side of the pivot, a pin-tongue having a split ear journaled on the pivot, said tongue bearing against the wall when in closed position, and a portion of the ear bearing against the plate when the tongue is swung to open position.

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

GEORGE W. DOVER.

Witnesses:

HORATIO E. BELLOWS,
WILLIAM E. BROWN.