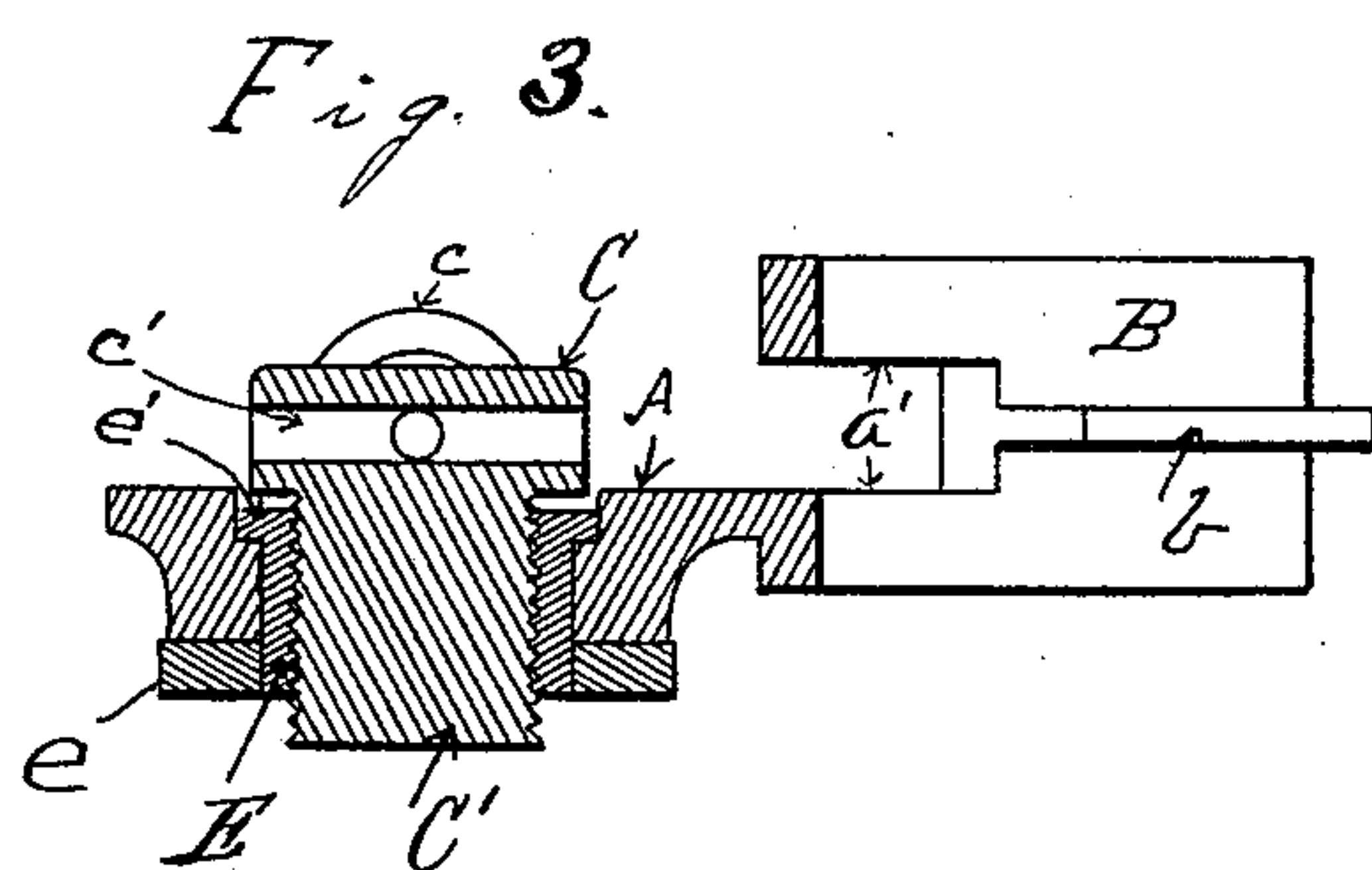
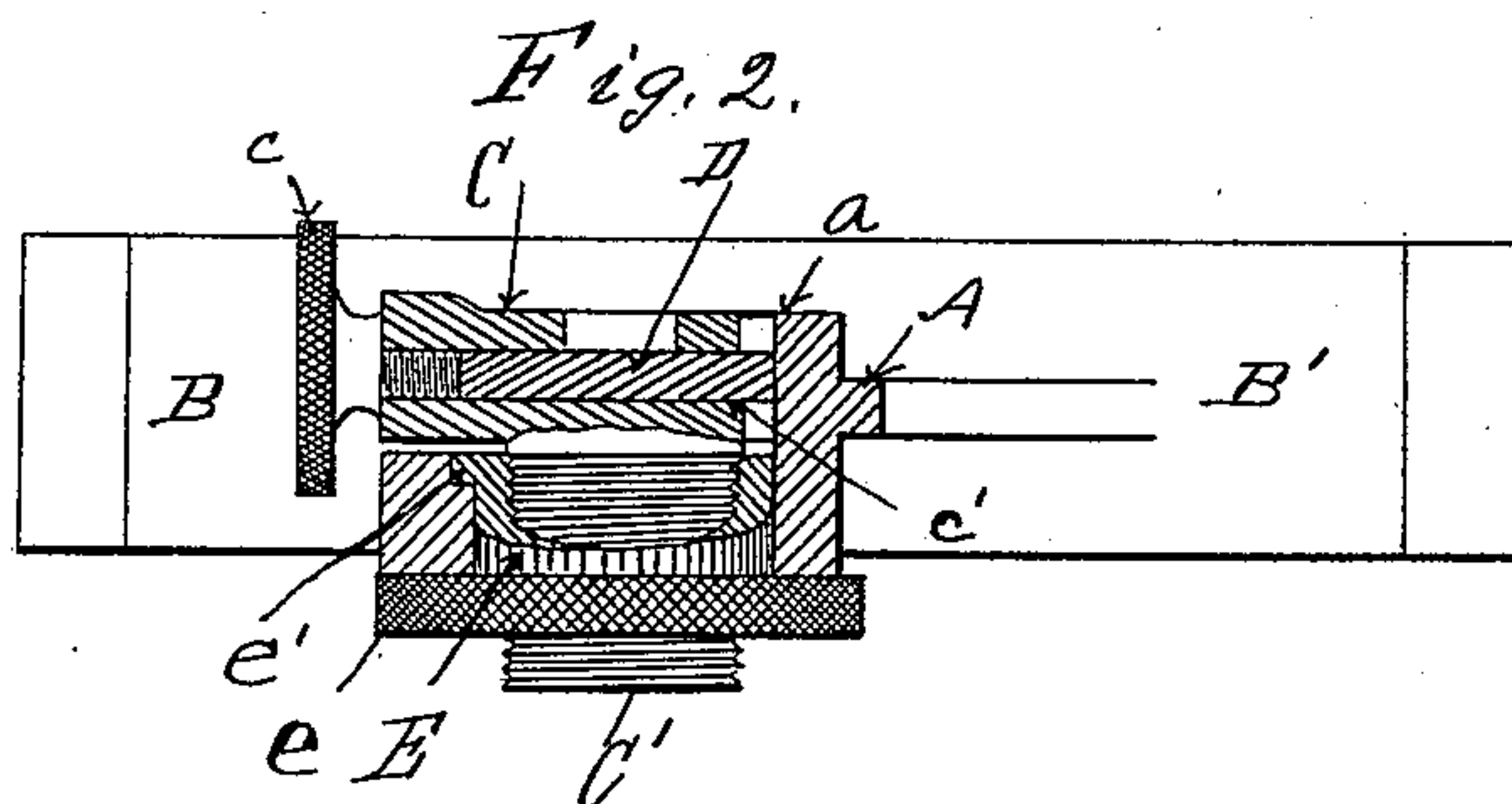
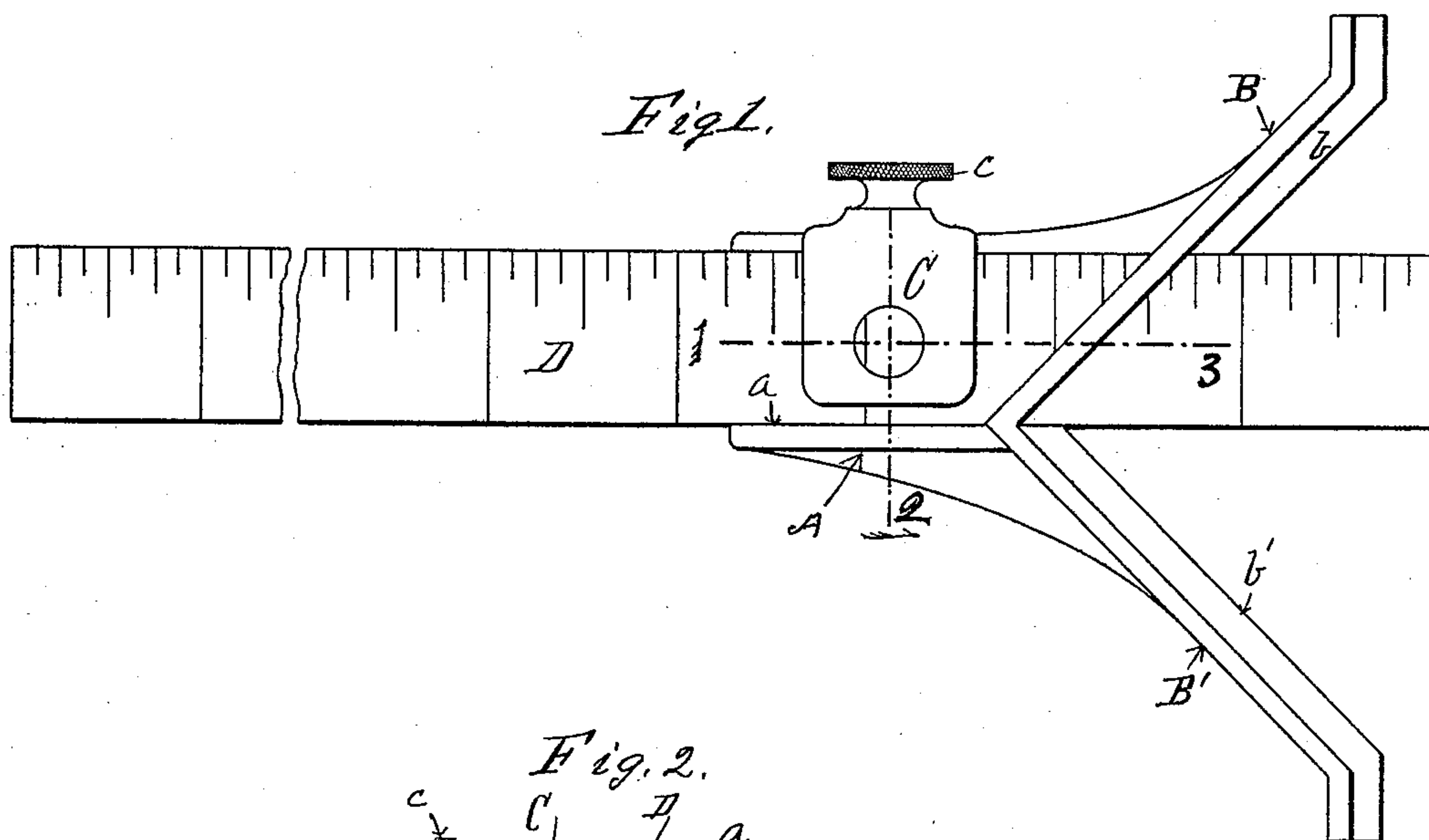


(No Model.)

G. W. REED.
TRY AND CENTER SQUARE.

No. 587,453.

Patented Aug. 3, 1897.



WITNESSES.

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UNITED STATES PATENT OFFICE.

GEORGE W. REED, OF ERIE, PENNSYLVANIA.

TRY AND CENTER SQUARE.

SPECIFICATION forming part of Letters Patent No. 587,453, dated August 3, 1897.

Application filed June 8, 1896. Serial No. 594,763. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. REED, a citizen of the United States, residing at the city of Erie, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Try-Squares; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

My invention relates to the improvements in try-squares hereinafter set forth and explained; and it consists in making the angular face of the square with a central contact-rib and in securing the blade or tongue thereof in a laterally-movable clamp, whereby it can be moved sidewise above or below the plane of the central contact-rib on the face of the square.

This invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side view in elevation of my improved try-square. Fig. 2 is a transverse section of the same on the line 2, looking in the direction of the arrow. Fig. 3 is a longitudinal section of the same on the line 3, looking in the direction of the arrow.

In the construction of my invention thus illustrated, A is the body of the square, which is provided with arms B B' at right angles to each other. Through one side of the body A there is an open slot, one side *a* of which is a direct line with the apex of the angle formed by the faces of the arms B B'. A rectangular slot *a'* is also cut through the arm B, so as to form a continuation of the slot in the body A. This slot *a'* is of considerable width laterally, as and for the purpose hereinafter set forth.

On the faces of the arms B and B' are contact-ribs *b* and *b'*, these ribs being secured to the central part of the faces of the arms B and B', so as to facilitate the contact of the arms B and B' when the try-square is being used on a rounded surface, the contact-rib *b* extending from the slot *a'* in the arm B along the center of the face thereof to the outer end of said arm, and the rib *b'* extending from the edge of the slot *a'* at the point where the

arms B and B' meet along the center of the face of the arm B' to the outer end thereof.

In the body A, I place a clamp C, provided with a clamp-screw *c*, to firmly clamp the tongue or blade D of the square, placed in the slot *c'* therein against the side *a* of the open slot in said body. This clamp C is made so that it can be moved laterally in and out from the bottom of the slot in the body A, so as to carry the tongue or blade D above or below the plane of the contact-ribs *b* and *b'*, this being permitted by the greater lateral width of the slot *a'* in the arm B. I preferably provide for laterally adjusting the clamp C by constructing it with a screw-threaded stem C', and in the body A, I place an internally-screw-threaded sleeve E, provided with collars *e* and *e'*, to secure it in place, so that it will rotate freely in its bearing in the body A, the collar *e* being milled, so as to facilitate its being rotated by the fingers of the operator, the screw-threaded stem C' of the clamp C being inserted in the screw-threaded stem E, and said stem rotated operates to move the clamp C in and out from the face of the slot in the body A, as may be desired. In this manner the tongue or blade D when in place in the clamp C, can be adjusted laterally in the slot *a'*, so as to be above or below the plane of the ribs *b b'*, as may be desired.

I have shown and described a convenient means for the lateral adjustment of the clamp C. I am aware, however, that this adjustment may be successively accomplished in other ways without departing from the spirit of my invention.

Therefore, having thus described my invention so as to enable others to construct and operate the same, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination in a try-square, of a body having arms, the faces whereof are at right angles to each other, a movable tongue or blade extending through a slot in one of said arms, and a clamp, for securing the tongue or blade, adapted to be adjusted transversely to the plane of the faces of the arms on said body, substantially as and for the purpose set forth.

2. The combination in a try-square, of a body, arms on said body at right angles to

each other, a tongue or blade adapted to be clamped in said body, and contact-ribs on the central part of the faces of said arms, substantially as and for the purpose set forth.

5 3. The combination in a try-square, of a body A, arms B B' thereon, contact-ribs *b b'* on the faces of said arms, a slot *a'* through one of said arms, a blade-bearing face *a* on the
10 thereon, a clamp C, a screw-threaded shank C' thereon, an internally-screw-threaded sleeve E in said body adapted to receive the screw-

threaded clamp-shank C', and a tongue or blade D adapted to be secured in said clamp C and extend through the slot *a'*, substantially as and for the purpose set forth. 15

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

GEORGE W. REED.

Witnesses:

FRED EINFELDT,
A. L. JACKSON.