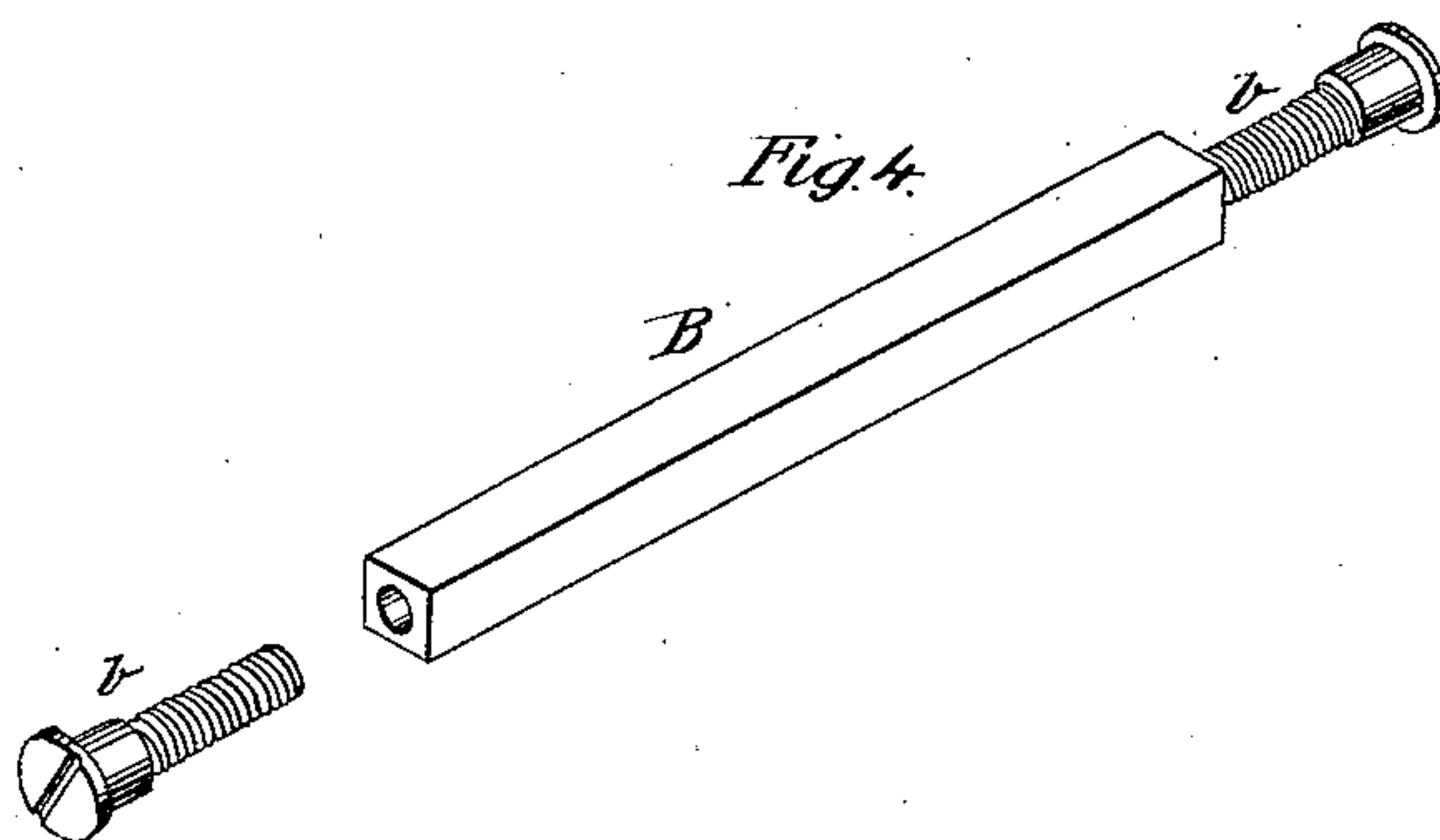
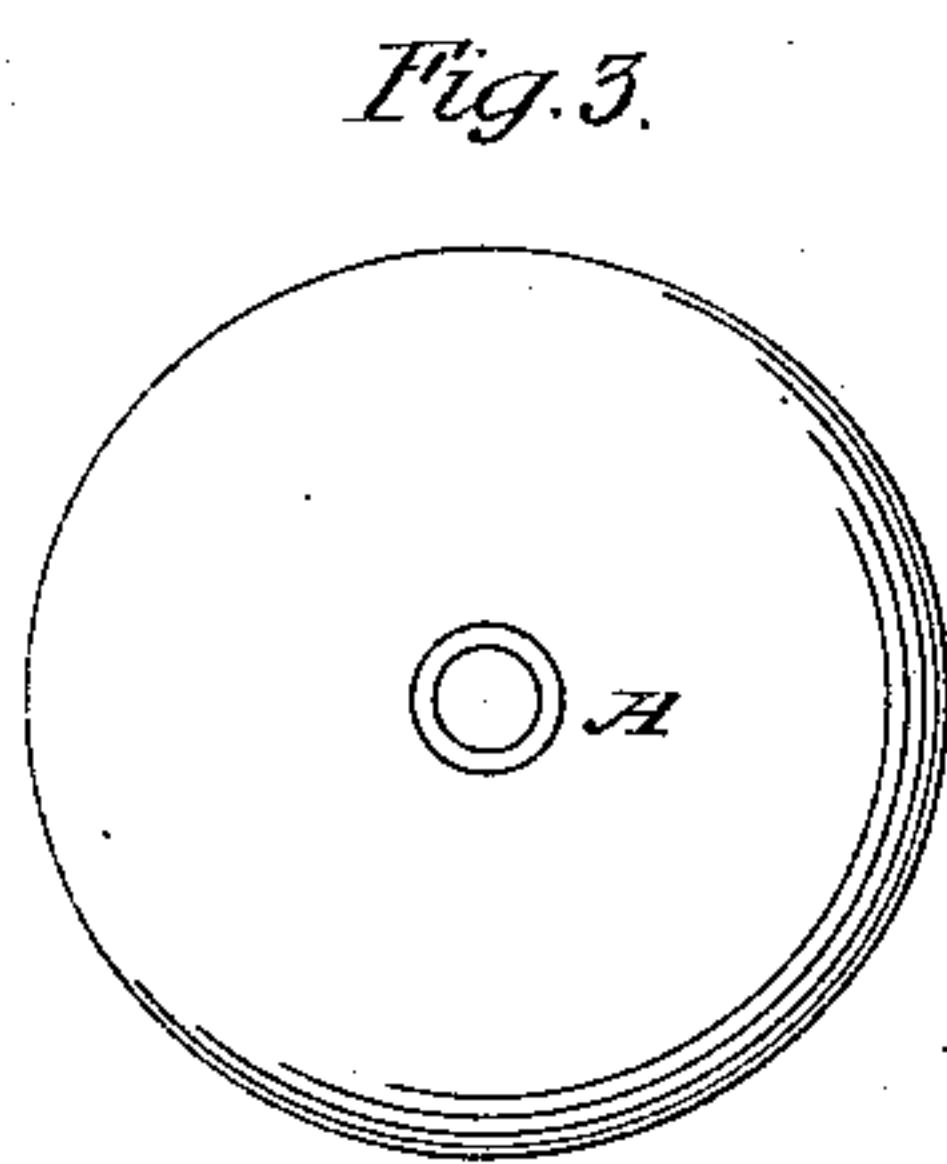
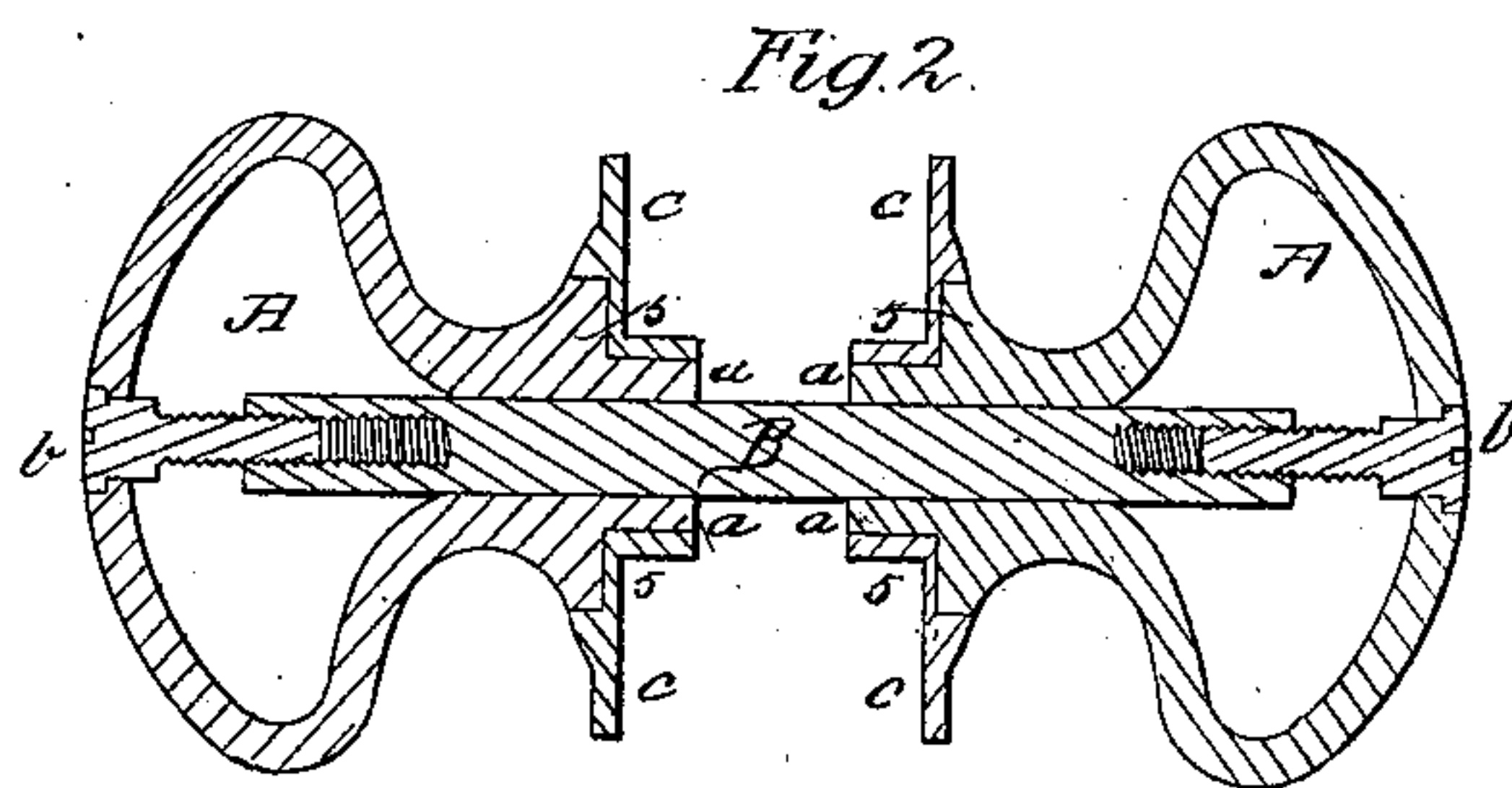
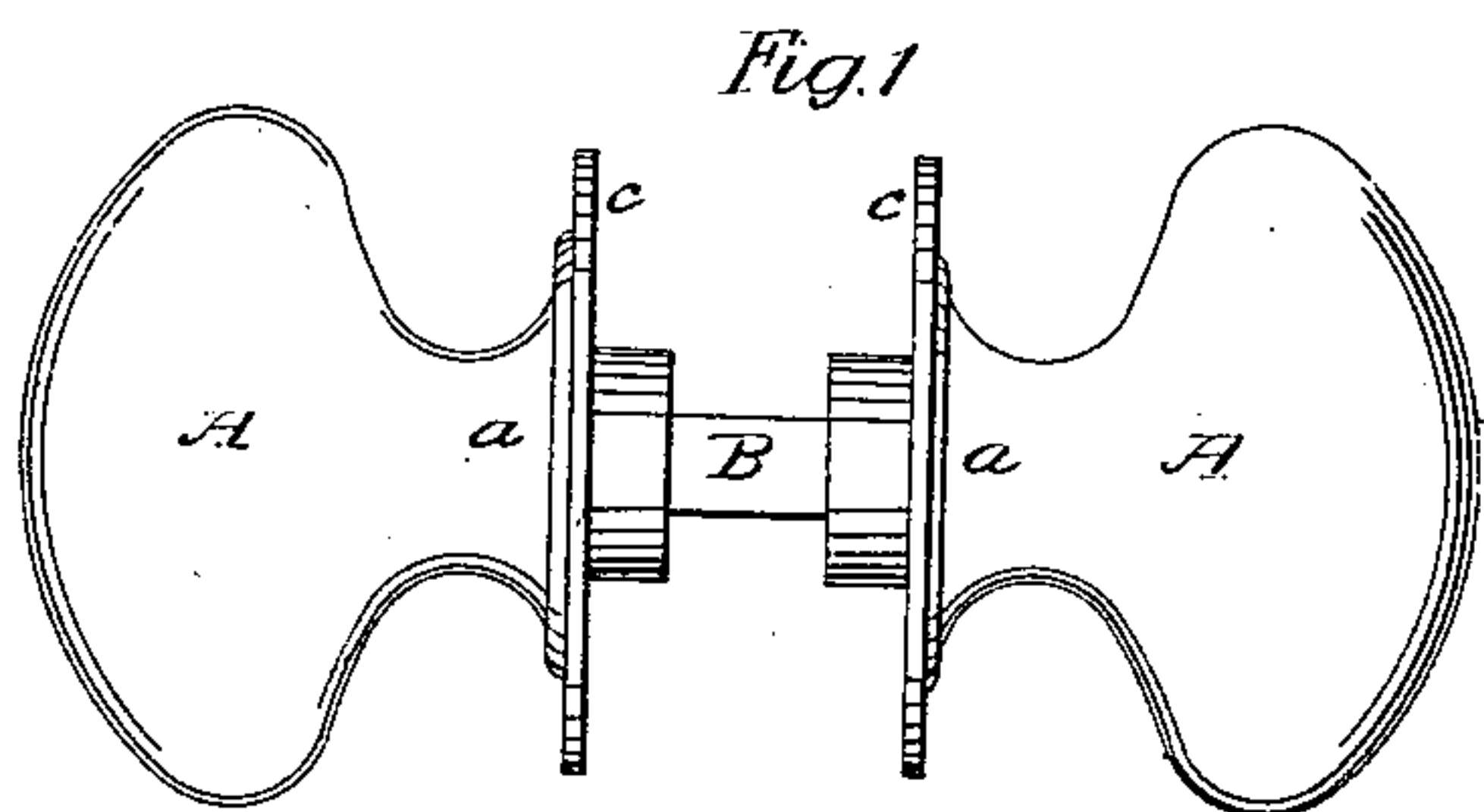


*S. S. Putnam,  
Knob Attachment.*

*N<sup>o</sup> 79,597.*

*Patented July 7, 1868.*



*Witnesses  
J. E. Stearns  
J. H. Stearns*

*Inventor  
S. S. Putnam*

# United States Patent Office.

SILAS S. PUTNAM, OF DORCHESTER, MASSACHUSETTS.

*Letters Patent No. 79,597, dated July 7, 1868.*

## IMPROVEMENT IN ATTACHING DOOR-KNOBS TO THEIR SPINDLES.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, SILAS S. PUTNAM, of Dorchester, in the county of Norfolk, and State of Massachusetts, have invented an Improved Method of Attaching Door-Knobs to their Spindles, and adjusting them thereon for doors of varying thicknesses, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is an elevation of a pair of door-knobs attached to their spindle according to my improved method.

Figure 2 is a central longitudinal section through the same.

Figures 3 and 4 are details.

My invention relates to an improved method of attaching door-knobs to their spindles, whereby their distance apart may be varied to suit doors of different thicknesses, and consists in a regulating-screw, which passes through the outer end of the knob into the end of the spindle, serving not only to unite them together, but also to regulate the distance of the knobs from each other.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A A represent a pair of door-knobs, which are fitted on to the opposite ends of the spindle B, which passes through the door. This spindle is rectangular in cross-section, as seen in fig. 4, its extremities sliding in correspondingly-shaped apertures in the shanks *a* of the knobs, as seen in fig. 2, which are thus prevented from turning thereon. Each extremity of the spindle B is bored out for the reception of a screw, *b*, which passes through the outer end of the knob, by which means the knob and spindle are firmly secured together, while by turning the screw in either direction the distance between the knobs may be readily varied to correspond to the thickness of the door to which they are applied.

*c c* are washers, which are interposed between the door and the portions 5 of the shanks *a* of the knobs, but these washers may be dispensed with, if desired, and the ends of the shanks enlarged where they abut against the door.

It will be seen that in the event of the shrinkage of the door, by turning one of the screws *b*, the distance between the knobs may be adjusted with a great degree of nicety, so as to force the washers *c* close up to the door, and thus avoid the unpleasant rattling incident to the ordinary method of attaching door-knobs to their spindles.

If preferred, one of the knobs may be secured to the spindle in the ordinary manner, instead of both of the knobs being made adjustable, as described.

### *Claim.*

What I claim as my invention, and desire to secure by Letters Patent, is—

The regulating-screw *b*, in combination with the knob A and spindle B, substantially as described for the purpose set forth.

SILAS S. PUTNAM.

Witnesses:

P. E. TESCHEMACHER,

N. W. STEARNS.