

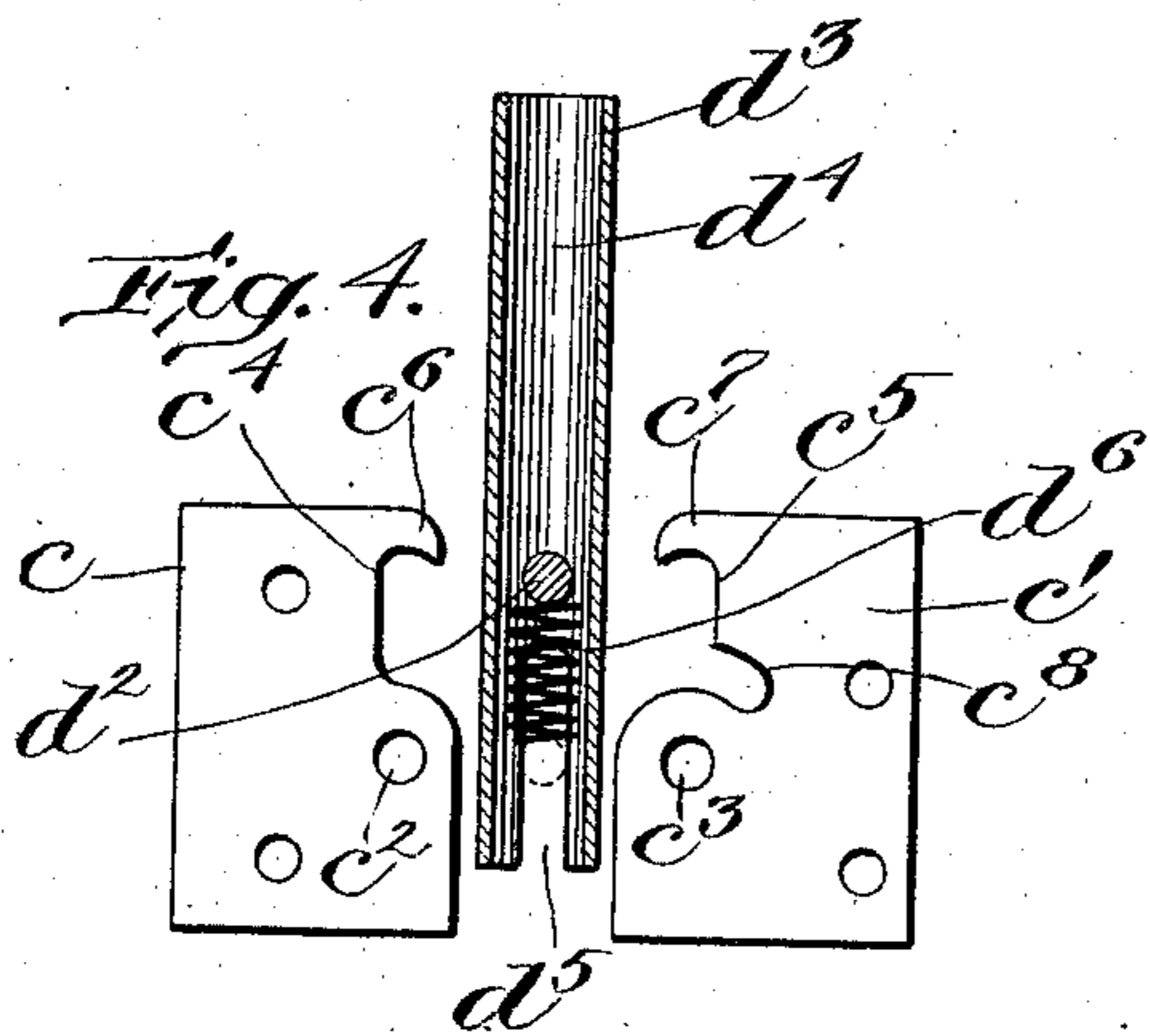
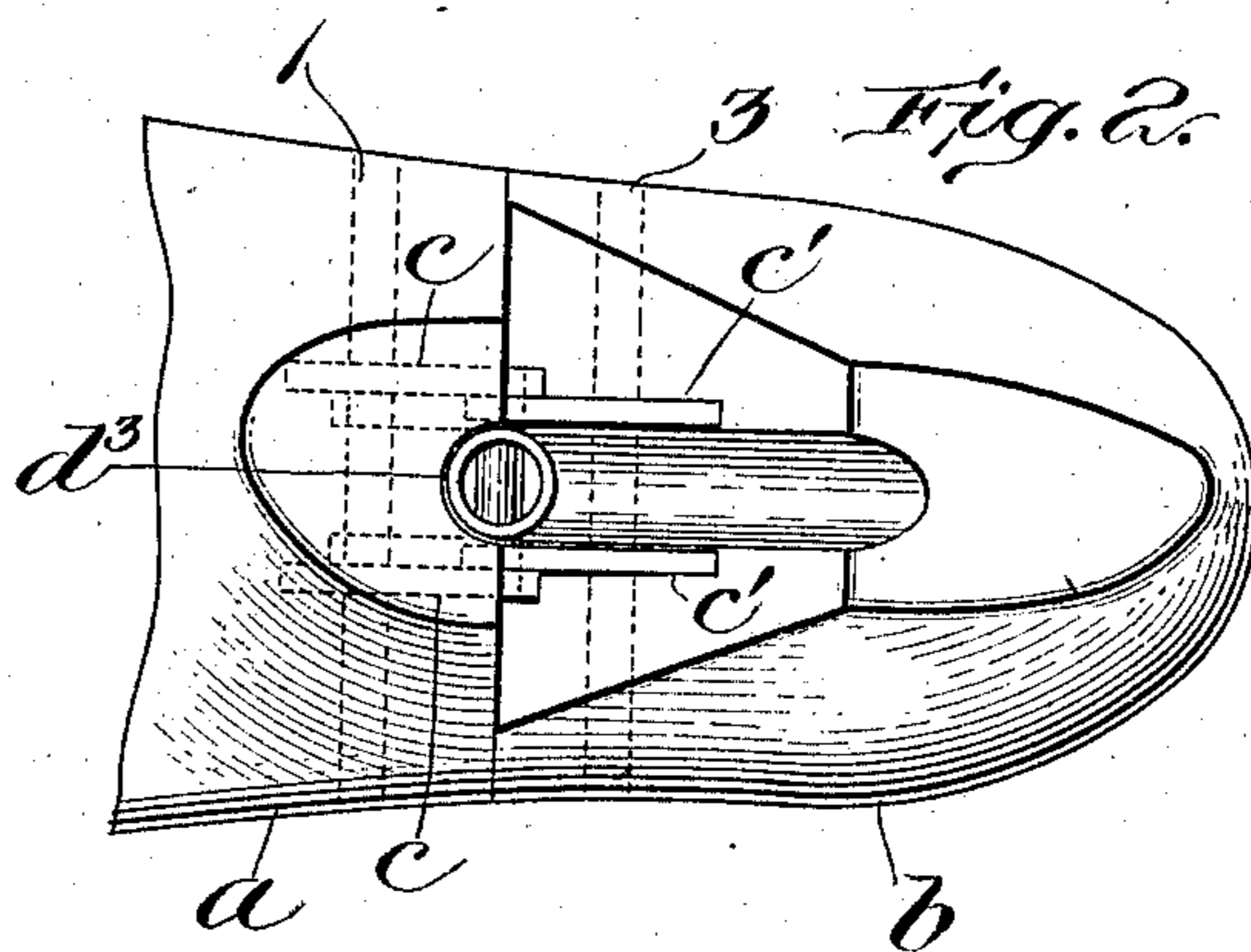
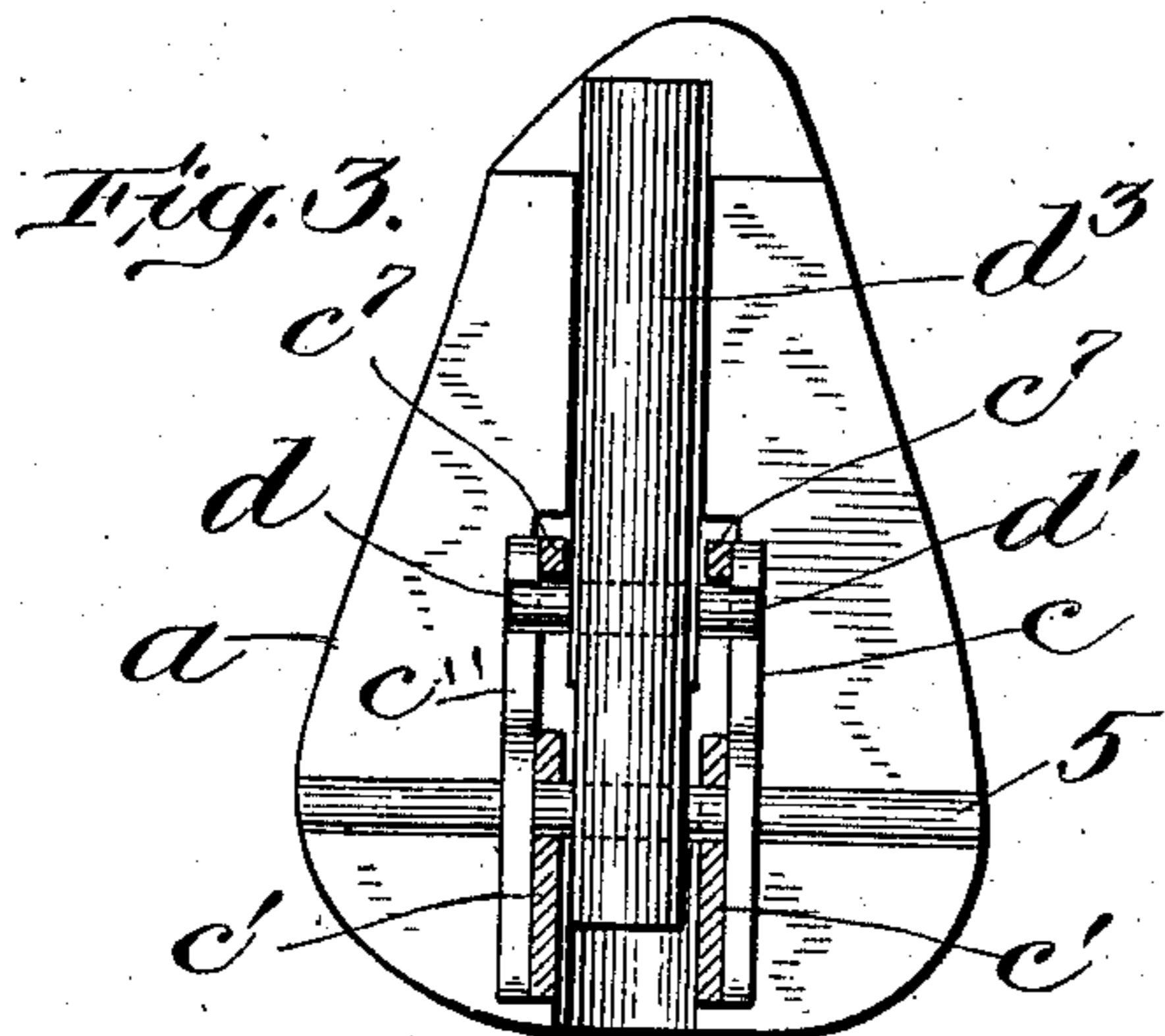
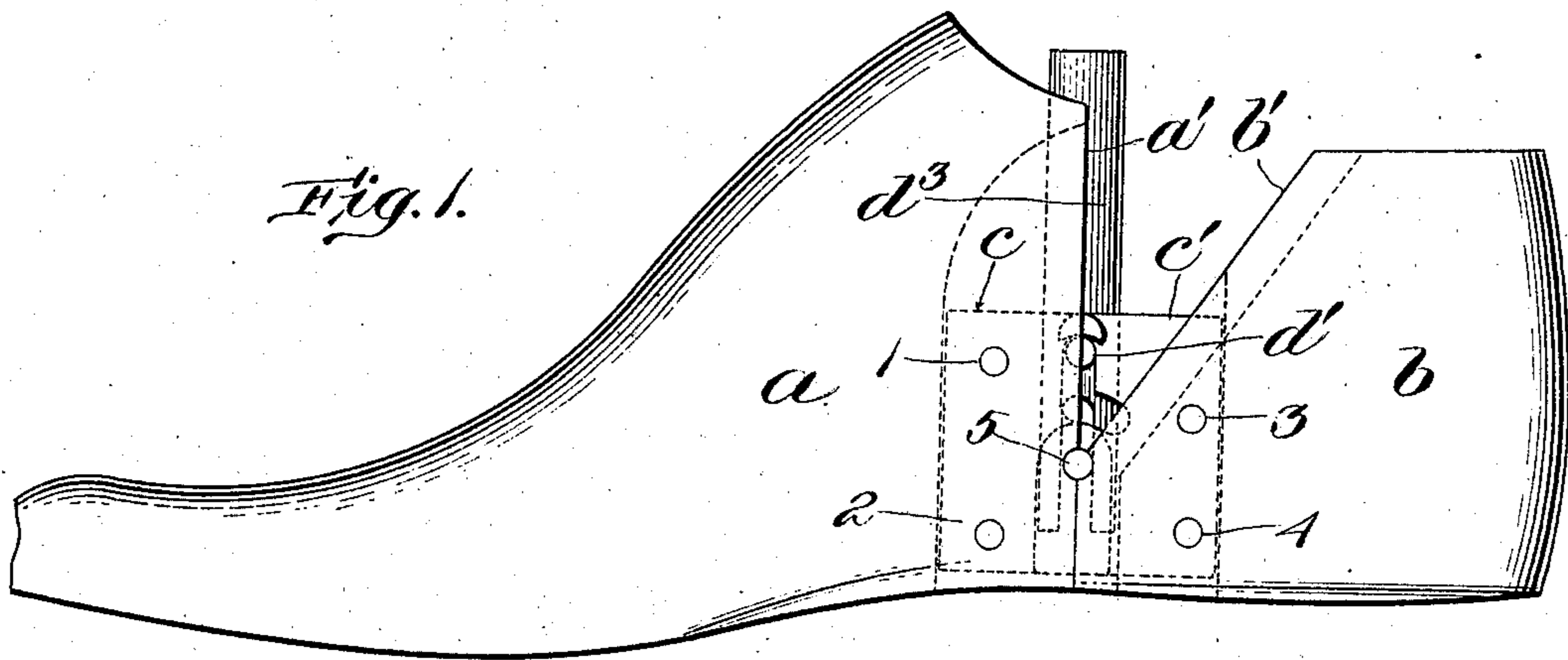
No. 845,705.

PATENTED FEB. 26, 1907.

R. W. PERRY.

LAST.

APPLICATION FILED JUNE 26, 1905.



Witnesses:

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UNITED STATES PATENT OFFICE.

REUBEN W. PERRY, OF STONEHAM, MASSACHUSETTS, ASSIGNOR TO KRENTLER-ARNOLD HINGE LAST COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF WEST VIRGINIA.

LAST.

No. 845,705.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, REUBEN W. PERRY, a citizen of the United States, residing at Stoneham, in the county of Middlesex and State of Massachusetts, have invented an Improvement in Lasts, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention relates to hinged lasts, and consists of an externally-operable locking mechanism for retaining the parts preferably automatically locked in lengthened position.

I provide in connection with suitable hinging members a spring-impelled locking member which projects outwardly sufficiently to be operated from the outside of the last.

The constructional details of my invention will be apparent from the following description, taken in connection with the accompanying drawings.

In the drawings, Figure 1 is a view in side elevation of a last containing my invention. Fig. 2 is a top plan view thereof. Fig. 3 is a transverse sectional view looking at the rear end of the fore part of the last, and Fig. 4 is a view, partly in section and partly in side elevation, of the locking means and hinging device dismembered.

The fore part *a* and heel part *b* may be of any usual or preferred contour and hinging connection, being herein shown as cut away at *c'* *b'* and joined by two pairs of similar overlapping hinge-plates *c c'*, held in fixed position in the respective parts of the last by rivets 1 2 3 4 and connected by a transverse pintle 5 passing through alining holes *c² c³*. Above the pintle the hinge-plates are cut away, as shown at *c⁴ c⁵*, and provided with overhanging portions *c⁶ c⁷* in position to engage the projecting ends *d d'* of a cross-bar *d²*, fast in the locking device, which comprises, besides said cross-bar *d²*, a tubular member *d⁴*, extending upwardly, as clearly shown in Figs. 1, 3, and 4, and being cut away at *d⁵* to provide a bifurcated lower end adapted to straddle the pintle 5 between the opposite pairs of hinge-plates. Between the pintle 5 and the bar *d²* I provide a spring *d⁶* for automatically raising the locking member into locking position.

The cut-away portions *c⁴ c⁵* of the hinge-plate have a straight upper portion, so as

simply to receive the cross-bar *d²* when the last is in lengthened position and permit no play or movement of the parts, as shown in Fig. 1; but at the lower part of said cut-away portion I provide an offset or lateral recess *c⁸*, so that when the operator depresses the upwardly-projecting part or handle *d³* of the locking device the cross-bar *d²* will be in line with said lateral offsets or recesses *c⁸*, thereby permitting the heel part to turn up on the fore part.

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

1. A hinged last, having its fore part and heel part connected by a hinge, provided with overlapping parts at one side of the pintle, the hinge being cut away to form a radial opening between said overlapping parts and the pintle and provided with a lateral recess adjacent the pintle, combined with a locking device extending externally of the last for external operation, and having a cross-bar located in said cut-away portion and adapted to enter said recess.

2. A hinged last, having its fore part and heel part connected by a hinge, provided with overlapping parts at one side of the pintle, the hinge being cut away to form a radial opening between said overlapping parts and the pintle and provided with a lateral recess adjacent the pintle, combined with a locking device extending externally of the last for external operation, and having a cross-bar located in said cut-away portion and adapted to enter said recess, and means for automatically maintaining said device in locking position.

3. A hinged last, having its fore part and heel part connected by a hinge, provided with overlapping parts at one side of the pintle, the hinge being cut away to form a radial opening between said overlapping parts and the pintle and provided with a lateral recess adjacent the pintle, combined with a locking device externally operable and movably engaging the pintle and said opening, occupying the outer portion of said opening when in locking position and said lateral recess when in unlocked position.

4. A hinged last, having its fore part and heel part connected by a hinge, provided with overlapping parts at one side of the pin-

tle, the hinge being cut away to form a radial opening between said overlapping parts and the pintle and provided with a lateral recess adjacent the pintle, combined with a locking
5 device having an operating portion extending externally of the last for external operation, and having an inner portion movably engaging the pintle and said opening, occupying the outer portion of said opening when
10 in locking position and said lateral recess

when in unlocked position, and a spring for normally maintaining said device in its locking position.

In testimony whereof I have signed my name to this specification in the presence of 15 two subscribing witnesses.

REUBEN W. PERRY.

Witnesses:

HARRY E. HERSAM,
WILLIAM GARSICLE.