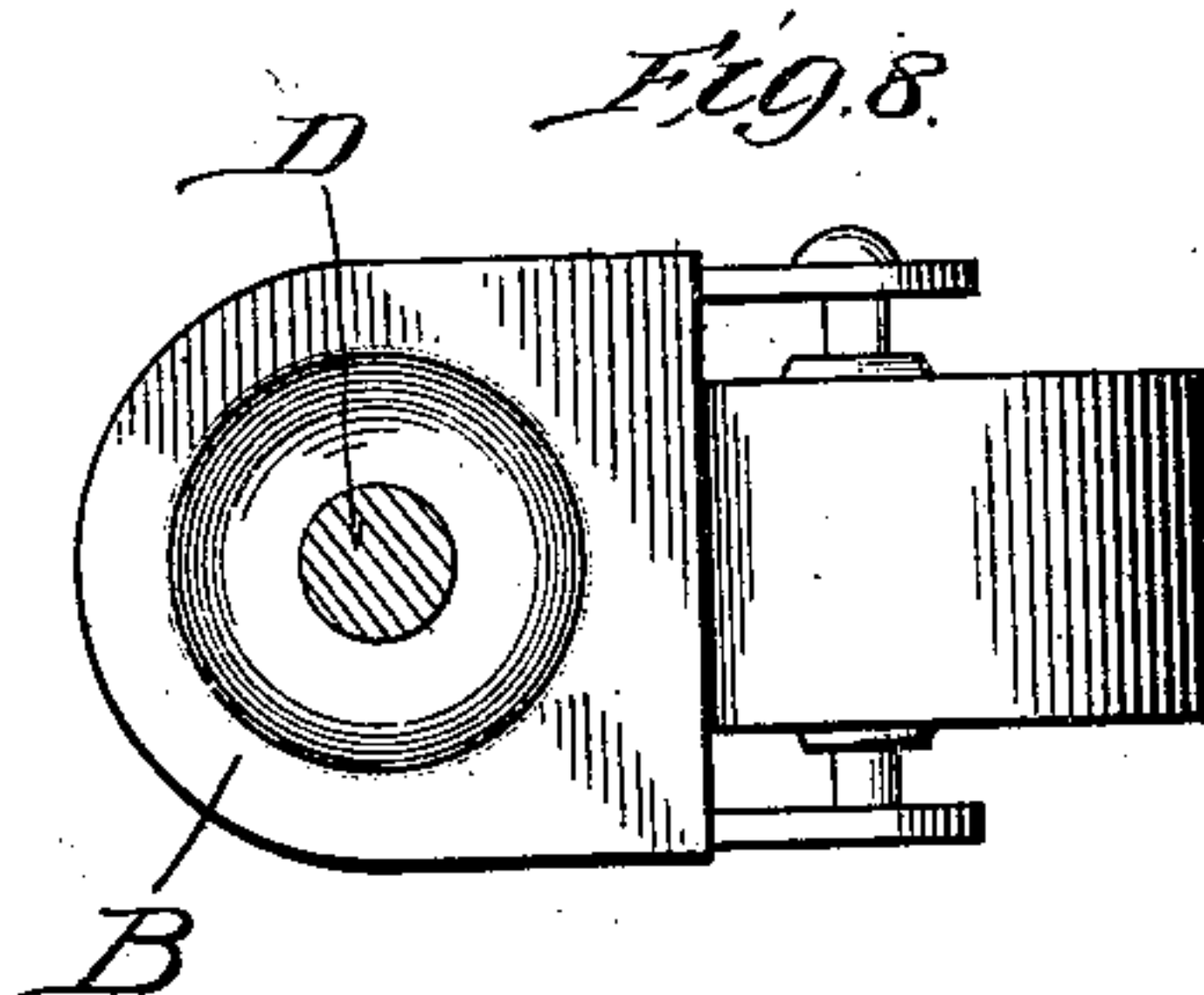
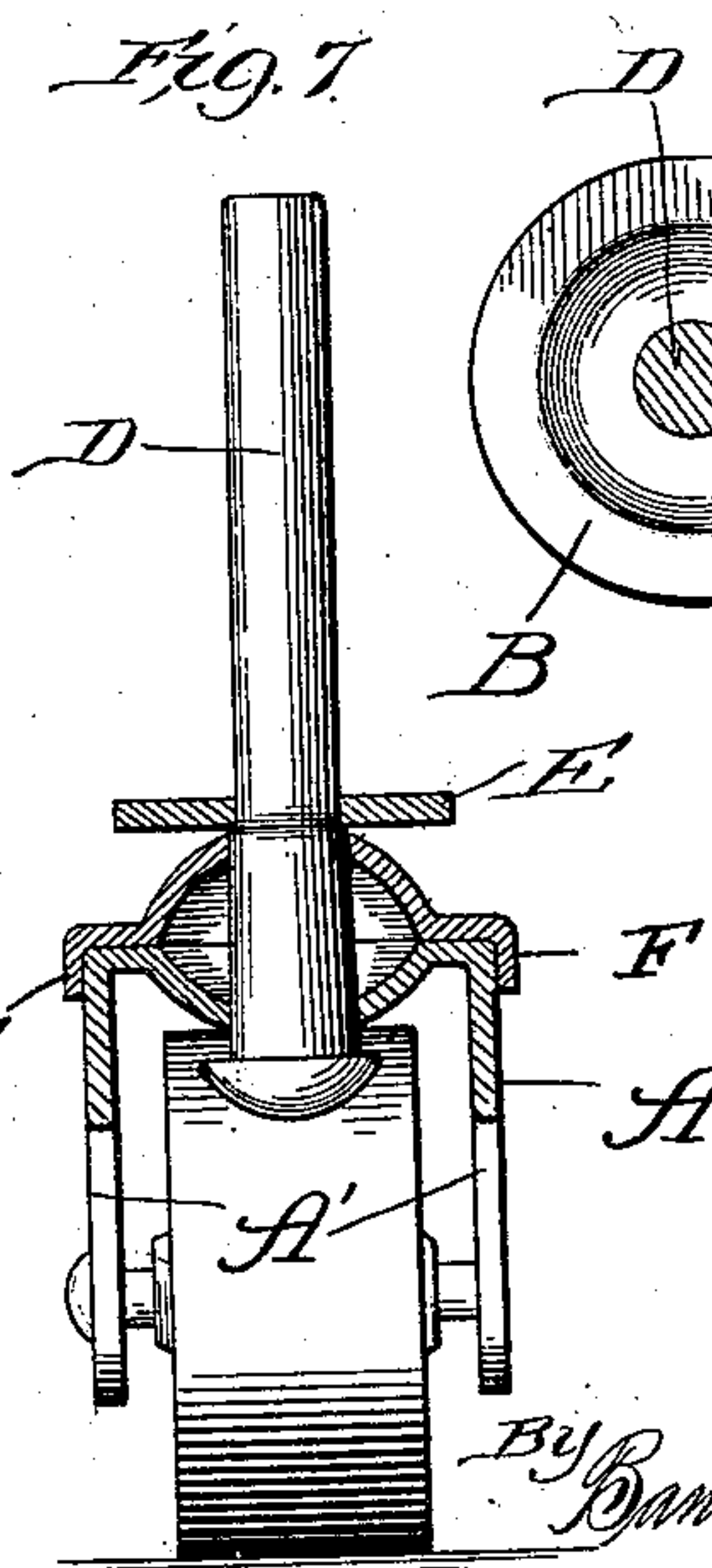
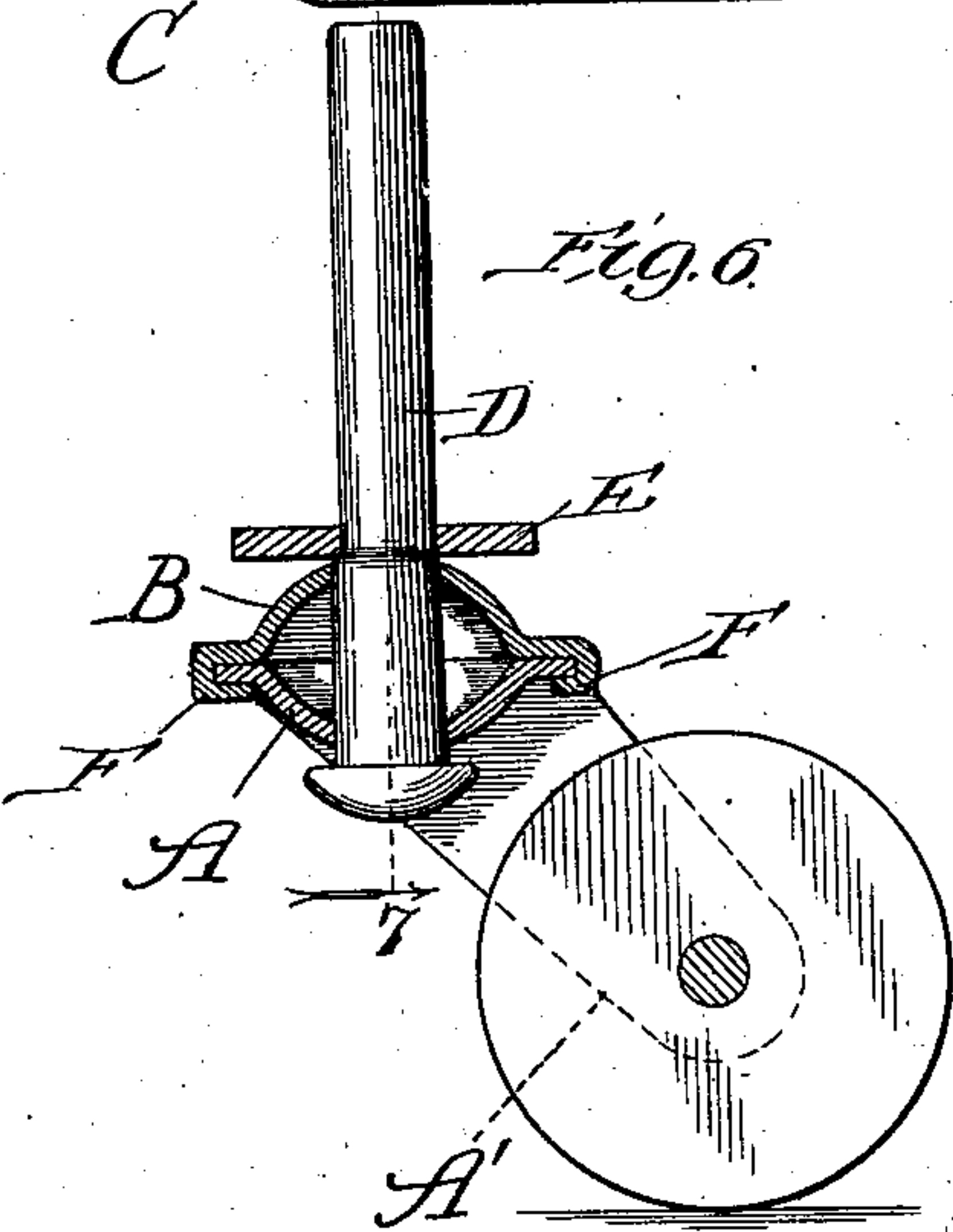
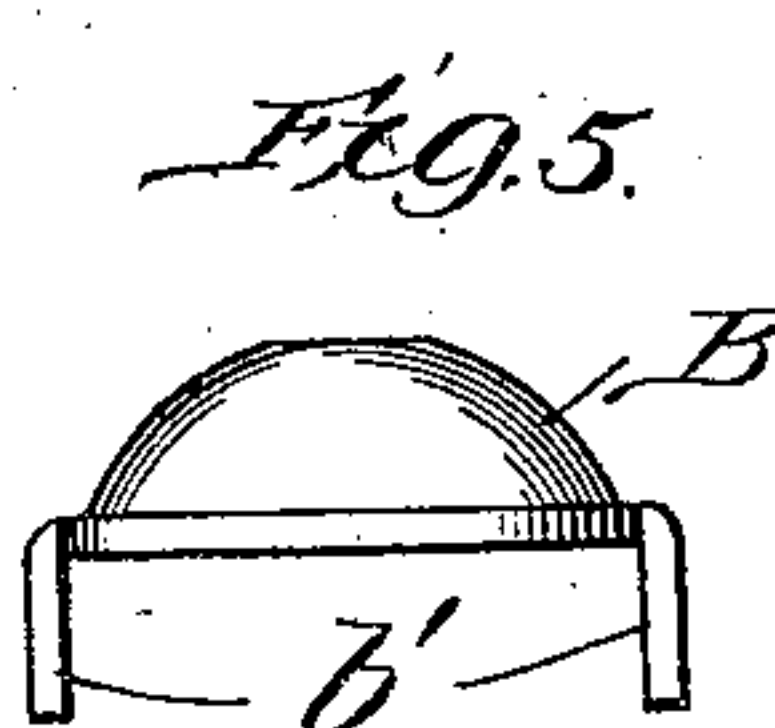
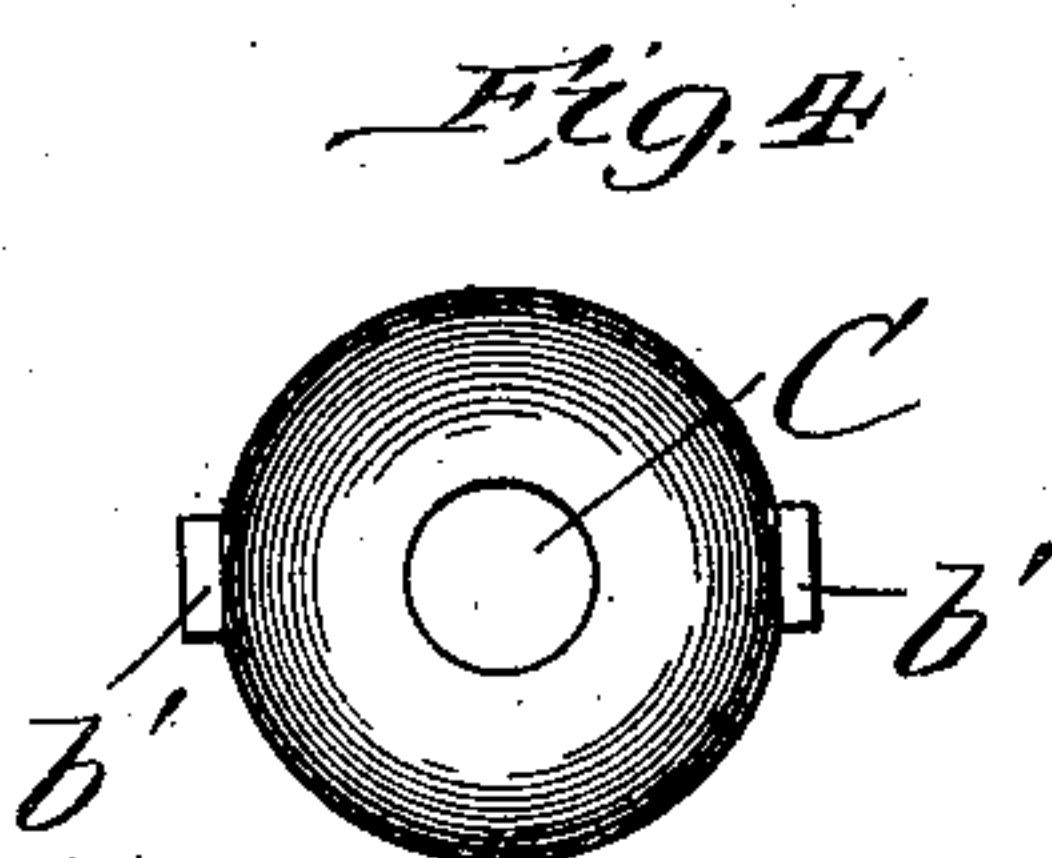
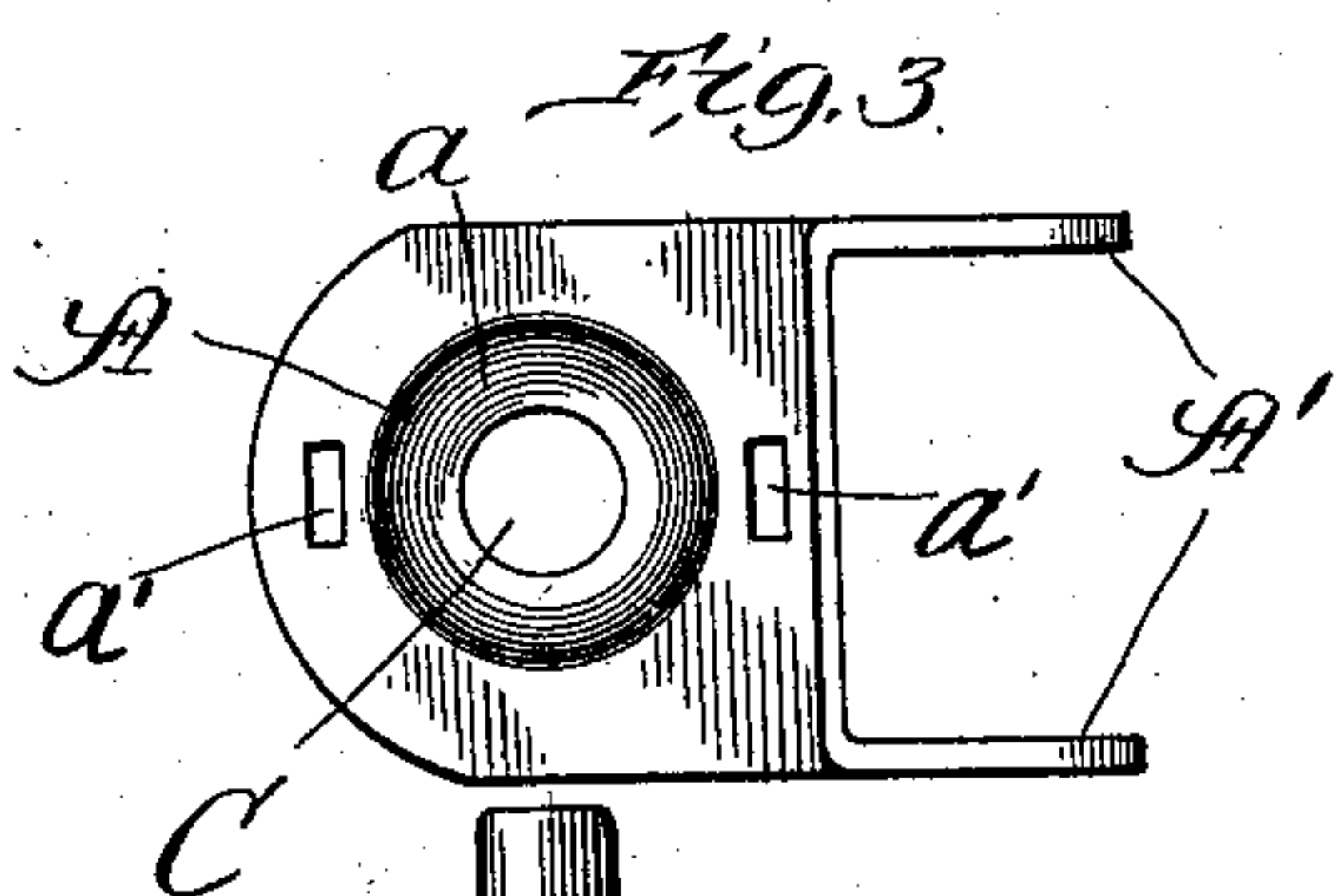
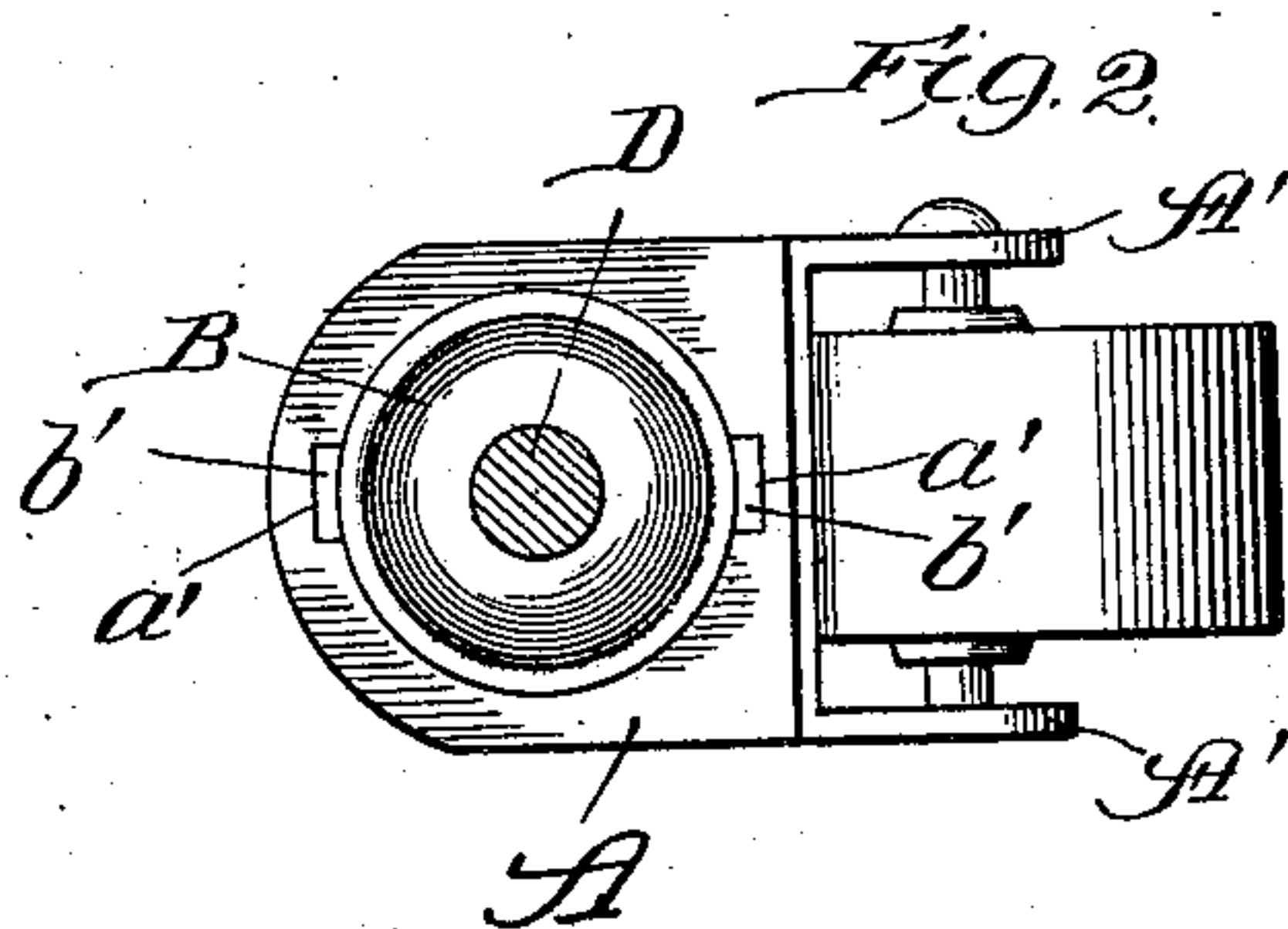
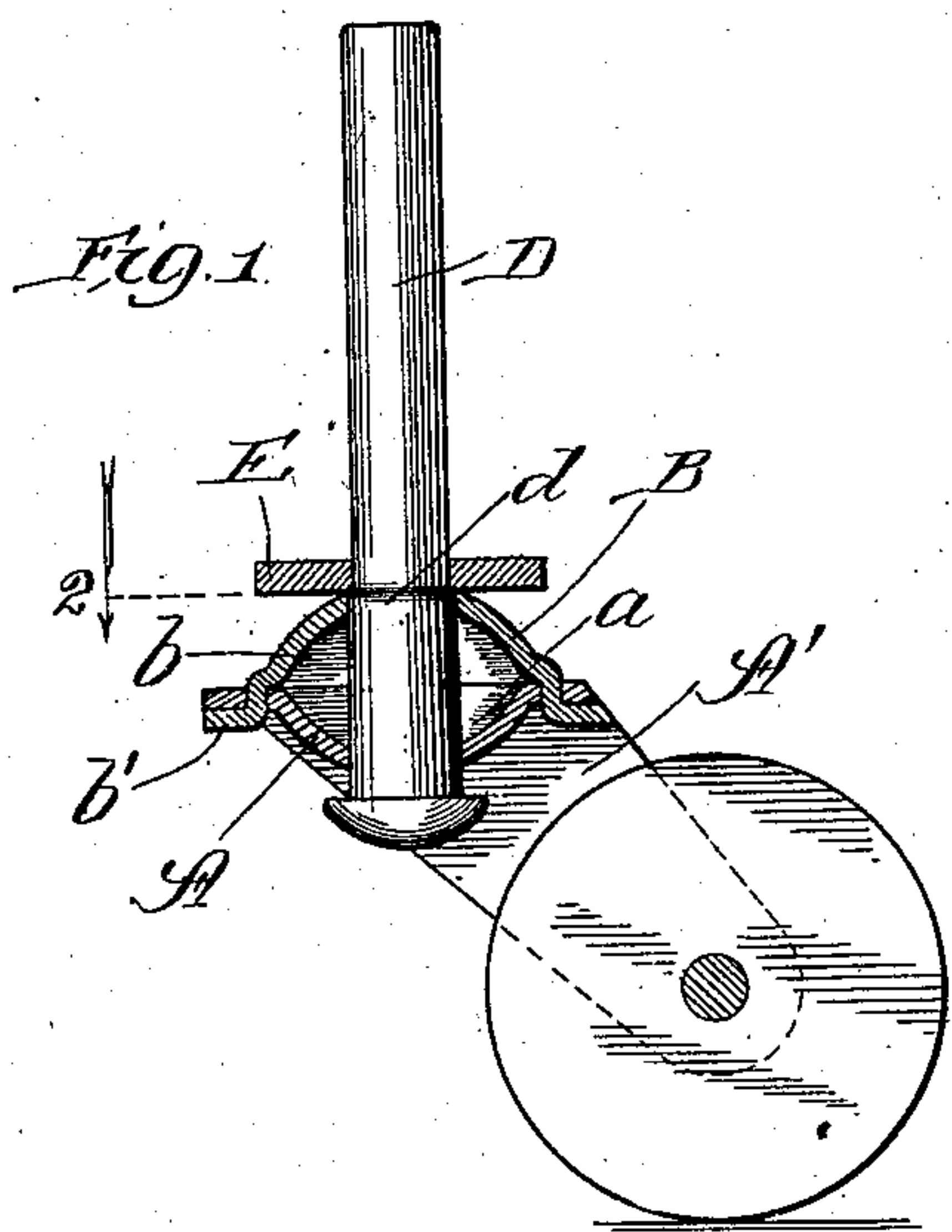


(No Model.)

D. NICKEL.  
CASTER.

No. 604,888.

Patented May 31, 1898.



Witnesses:  
Chas. E. Gaylord,  
Lute J. Allen

Inventor:  
David Nickel,  
By Banning & Banning, Attys.



# UNITED STATES PATENT OFFICE.

DAVID NICKEL, OF MORRIS, ILLINOIS.

## CASTER.

SPECIFICATION forming part of Letters Patent No. 604,888, dated May 31, 1898.

Application filed May 10, 1897. Serial No. 635,844. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID NICKEL, a citizen of the United States, residing at Morris, Illinois, have invented certain new and useful Improvements in Casters, of which the following is a specification.

In the drawings, Figure 1 is a sectional elevation of my improved caster. Fig. 2 is a plan view taken in the line 2 of Fig. 1. Fig. 3 is a plan view of the lower portion of the caster with the other parts removed. Fig. 4 is a plan view of the upper portion of the caster. Fig. 5 is a side elevation of the upper portion of the caster. Fig. 6 is a modified form of caster. Fig. 7 is a rear sectional elevation of the same, taken in line 7 of Fig. 6; and Fig. 8 is a sectional plan view of the same.

In making my improved caster I make the lower or wheel-holding portion A of sheet-steel or similar material, with projecting portions A' struck down to receive the wheel. The lower portion A is provided with a cup-shaped depression *a*, formed in any convenient way and preferably in the operation of making the lower or wheel-holding portion of the caster. I provide holes *a'* in the lower portion of the caster, preferably in the front and rear, as shown in Figs. 1, 2, and 3 of the drawings. I make the upper portion B of the caster also out of sheet-steel or similar material and provide it with a reversely-arranged cup *b*, as shown in Fig. 1. The upper portion of the caster is also provided with downwardly-projecting lugs *b'*, adapted to be inserted through the holes *a'* and to be turned or bent, as shown in Fig. 1, so that the upper and lower portions of the caster are securely attached together.

Both the upper and lower portions of the caster are provided with a hole C, adapted to receive the caster-pin D, by which the caster may be attached to articles of furniture and to form a bearing or journal for such pin. By arranging them with their cups reversed or opposed to each other, as shown in Fig. 1, the bearing or journal is made of sufficient length to prevent wobbling or side motion. The caster-pin is also provided with a shoulder *d*, on which the collar E rests, to contact with the furniture or other articles to which the caster is attached.

In Figs. 6, 7, and 8 I have shown the upper portion of the caster provided with a flange F, adapted to embrace and clasp the outer edge of the lower portion of the caster, so as

to be securely attached thereto. It only differs from the form first shown in that it is attached to the lower portion by a flange embracing the outer edge instead of by lugs passing through holes. In both cases, however, the two parts of the caster are fastened together by a part on one member of the caster, which is bent so as to clasp or embrace the other, and thus securely connect them together.

Of course either member of the caster, the lower or the upper, may be provided with the means for attaching it to the other, although I have for convenience shown the attaching means in both instances arranged upon and forming a part of the upper portion of the caster. A mere reversal, however, would permit the lower portion of the caster to be provided with attaching means to clasp and hold the upper portion.

What I regard as new, and desire to secure by Letters Patent, is—

1. In a caster, the combination of a cup-shaped lower member having an axial hole, and a cup-shaped upper member having an axial hole, the cups being opposed and the holes registering when the two are in place, whereby a long or extended journal or bearing for a pintle is secured, means forming a part of one member of the caster to permit it to be clasped and attached to the other member when in position to insure their movement in unison, and a pintle insertible from below to pass through the axial holes in the cup-shaped members and effect the attachment of the caster to an article of furniture, substantially as described.

2. In a caster, the combination of a cup-shaped member having an axial hole and holes near its outer edges, and a cup-shaped member having an axial hole and lugs near its outer edges adapted to be inserted through the holes and bent to permit it to be clasped and attached to the other member to insure their movement in unison with the cups opposed and the holes registering when in position, and a pintle insertible from below to pass through the axial holes in the cup-shaped members and effect the attachment of the caster to an article of furniture, substantially as described.

DAVID NICKEL.

Witnesses:

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