

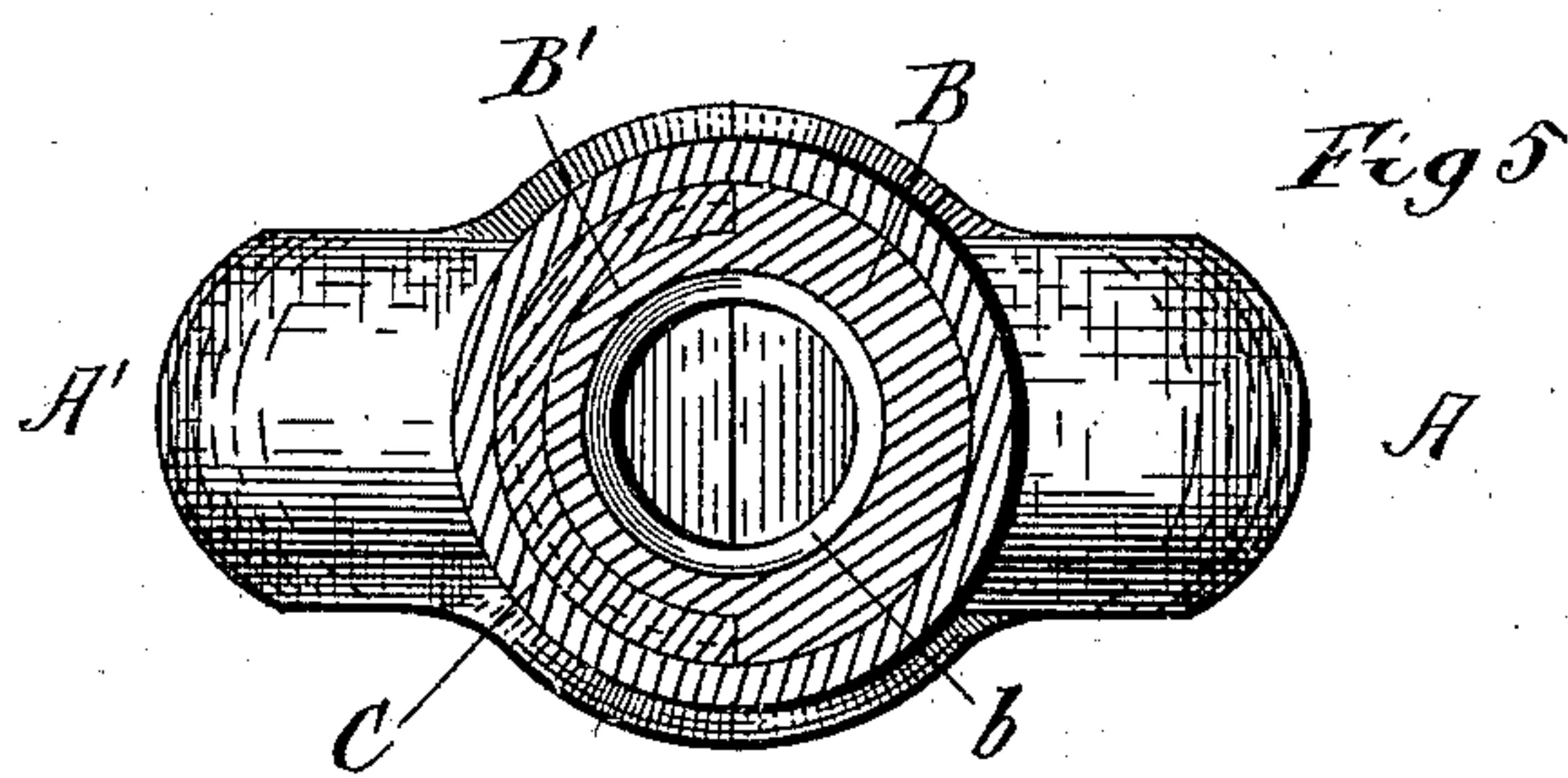
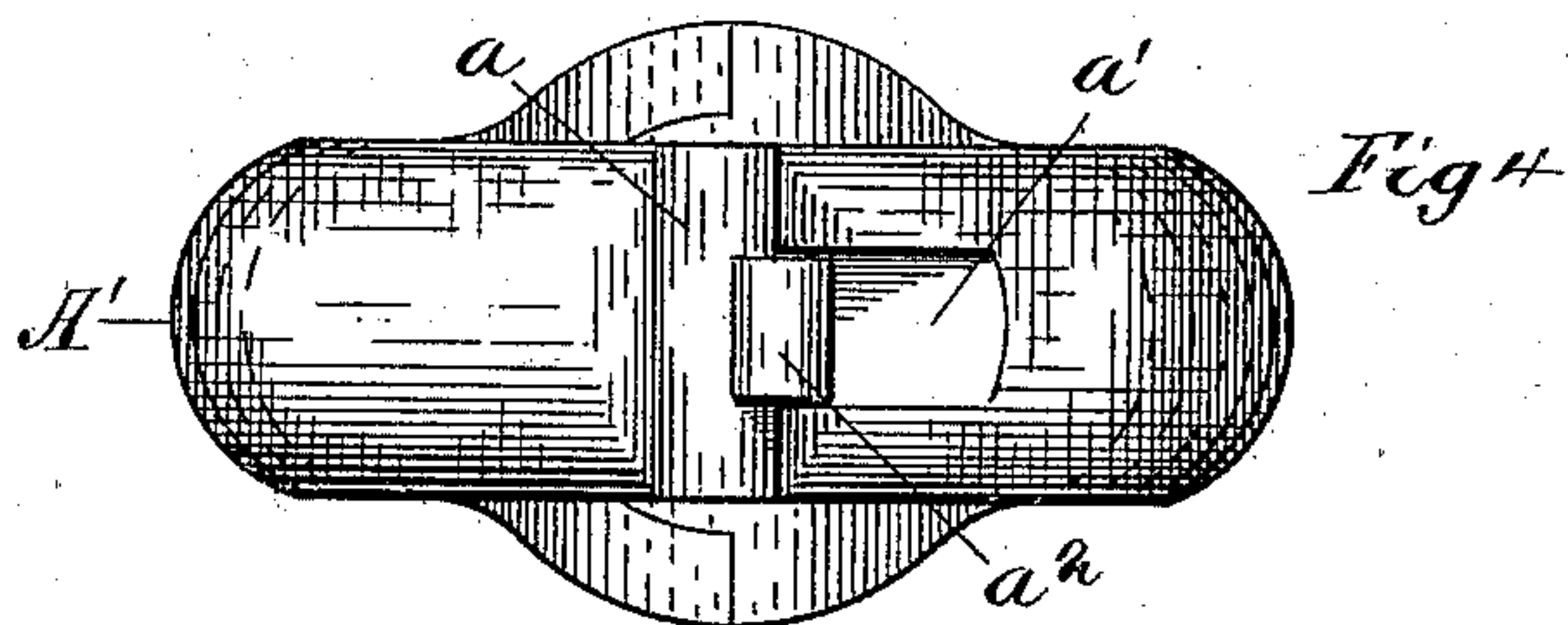
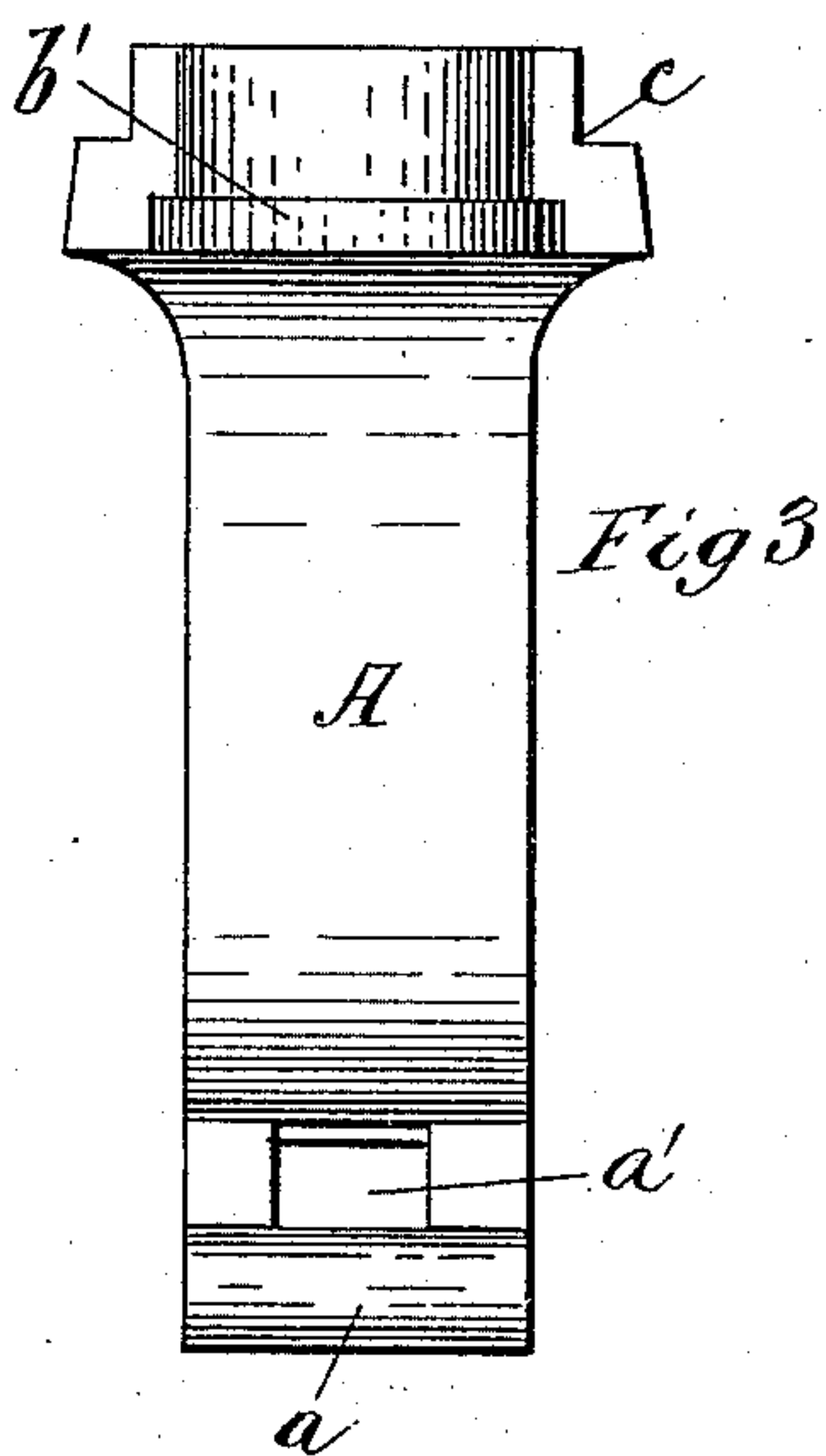
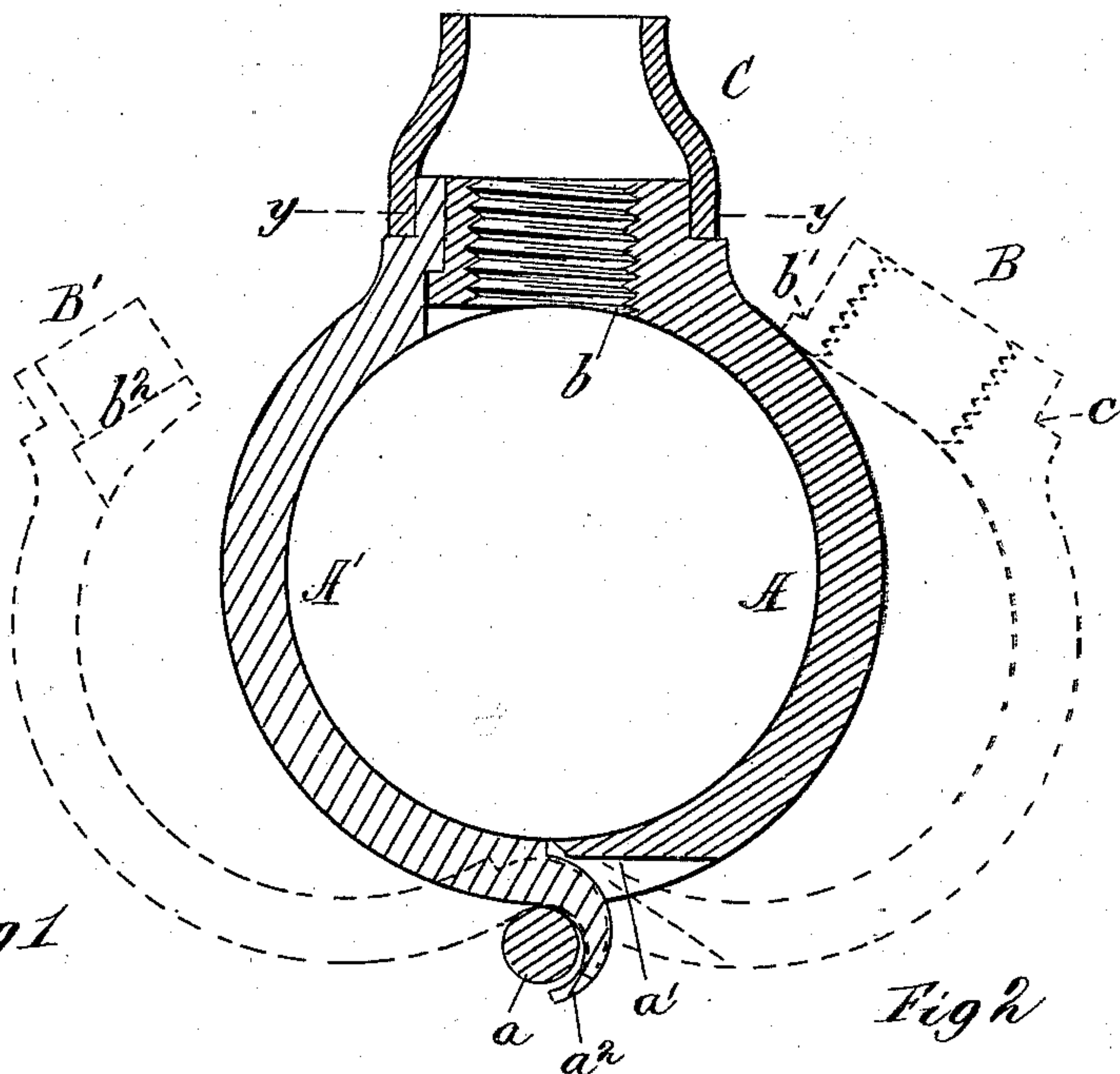
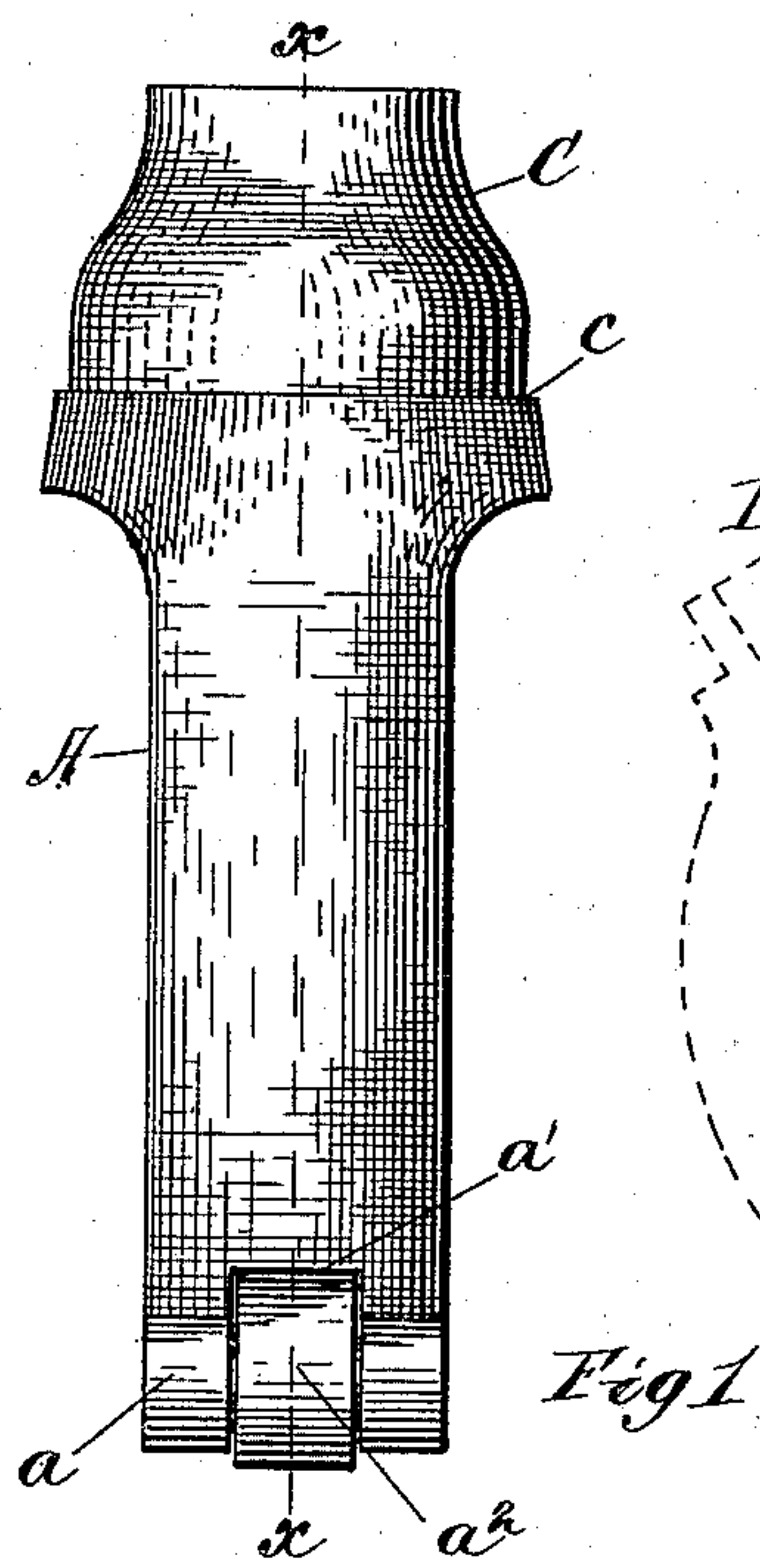
(No Model.)

R. T. CRANE.

PIPE HANGER.

No. 368,755.

Patented Aug. 23, 1887.



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UNITED STATES PATENT OFFICE.

RICHARD T. CRANE, OF CHICAGO, ILLINOIS.

PIPE-HANGER.

SPECIFICATION forming part of Letters Patent No. 368,755, dated August 23, 1887.

Application filed December 16, 1886. Serial No. 221,808. (No model.)

To all whom it may concern:

Be it known that I, RICHARD T. CRANE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Pipe-Hangers, which is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of a pipe-hanger embodying my invention; Fig. 2, a sectional view of the same, taken on the line xx of Fig. 1; Fig. 3, a detail elevation of one of the sections viewed from the inner side; Fig. 4, a bottom plan view of the pipe-hanger, and Fig. 5 a plan section taken on the line yy of Fig. 2.

Like letters refer to like parts in all the figures of the drawings.

My invention relates to pipe-hangers, its object being to provide a hanger which may be placed in position upon the pipe at any point thereof when the pipe is in position or otherwise, thereby obviating the necessity of slipping the hanger over the end of the pipe and then sliding it along upon the same into position.

To these ends my invention consists in certain novel features, which I will now proceed to describe, and will then particularly point out in the claims.

In the drawings, in which I have shown my invention practically carried out in one form, the pipe-hanger is composed of two sections, A and A', connected together by means of a hinge-joint. This hinge-joint may be of any approved form; but I prefer to employ the separable joint shown. In this construction one of the sections is provided with a cylindrical bar or pin, a , and is slotted immediately above said bar or pin, as shown at a' , to receive a tongue or hook, a^2 , on the other section, which tongue or hook is curved to conform to the shape of the bar a , around which it passes when the parts are interlocked, as shown more particularly in Figs. 2 and 4 of the drawings. One of the sections of the hanger—for instance, the section A—is provided at its upper end with a circular boss, B, internally threaded, as shown at b , to receive the bolt which secures the hanger in position. For the outer half of the circumference this boss is reduced or cut away, and a half-boss, B', corre-

sponding in size and form to the cut-away portion, is formed on the adjacent end of the other section, A', so that when the parts are assembled the boss B and half-boss B' will fit snugly the one upon the other, the whole forming a complete boss of equal diameter throughout. In order to cause the parts to interlock more firmly, a rabbet or shoulder, b' , is formed upon the boss B, and a correspondingly-shaped but reverse rabbet or shoulder, b^2 , is formed upon the half-boss B', the two interlocking, when united, in the manner shown in Fig. 2 of the drawings.

C represents a cap or nipple adapted to fit over the entire boss—that is to say, over the boss B and half-boss B' when the two are united. A seat, c , is formed on the outer periphery of the boss to receive the said cap or nipple, the said seat extending around the exterior of the half-boss B' and around the uncovered half of the boss B, as shown. The cap or nipple C is hollow, in order to admit the securing-bolt, and it is preferably reduced at its upper end to fit snugly around the said bolt.

The operation of my device is as follows: The two sections, being separated, may be placed in position around the pipe, either before or after uniting them, this placing in position being effected at any point desired. In case the hanger is applied after the sections have been interlocked by inserting the tongue or hook a^2 through the slot a' , or in case a non-separable hinge-joint is employed, the section will, while being applied, be swung open into the position shown in dotted lines in Fig. 2 of the drawings, in order to pass around the pipe. When in position, the upper ends of the sections are brought together and the cap C placed upon the boss, thus securing the whole together. The securing-bolt is then passed down through the cap and screwed into the threaded aperture b , thus securing the hanger to the joist, beam, floor, or other object from which it is to be suspended. The bolt will draw the upper end of the cap against the surface of the part to which the hanger is attached, and will thus serve to hold the cap securely in position on its seat and prevent separation of the sections.

It is obvious that various modifications in the details of construction may be made with-

out departing from the principle of my invention, and I therefore do not wish to be understood as limiting myself strictly to the precise details hereinbefore described, and shown in 5 the drawings.

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

10 1. In a pipe-hanger, the combination, with the section A, provided with bar or pin a and slot a' , of the section A', provided with the corresponding tongue or hook a^2 , substantially as and for the purposes specified.

15 2. In a pipe-hanger, the combination, with the two sections connected by a separable hinge-joint, one of said sections being provided with a boss to receive the securing-bolt and the other section being provided with a partial boss to fit thereon, of a cap or nipple to fit 20 over the two bosses and secure the two sections, substantially as and for the purpose specified.

3. In a pipe-hanger, the combination, with the section A, provided with the bar or pin a and slot a' at one end and the boss B at the 25 other end, of the section A', provided with the tongue or hook a^2 at one end and with the partial boss B' at the other end, and the cap or nipple C, adapted to fit over the boss and partial boss to secure the whole, substantially as 30 and for the purpose specified.

4. In a pipe-hanger, the combination, with the section A, having boss B, reduced as described, of the section A', having half-boss B' 35 to fit thereon, said boss and half-boss having interlocking rabbets or shoulders b' and b^2 , substantially as and for the purposes specified.

RICHARD T. CRANE.

Witnesses:

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