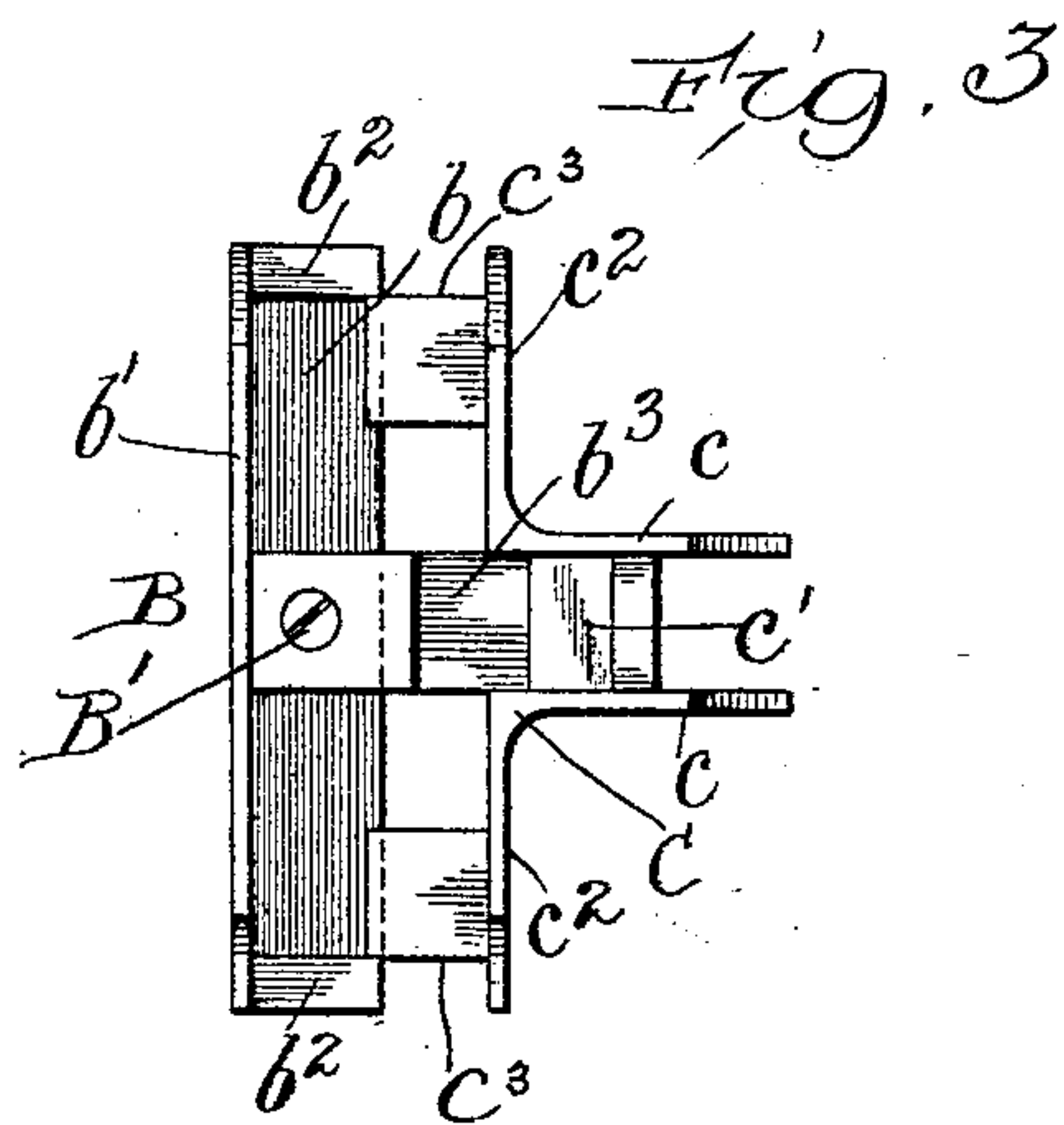
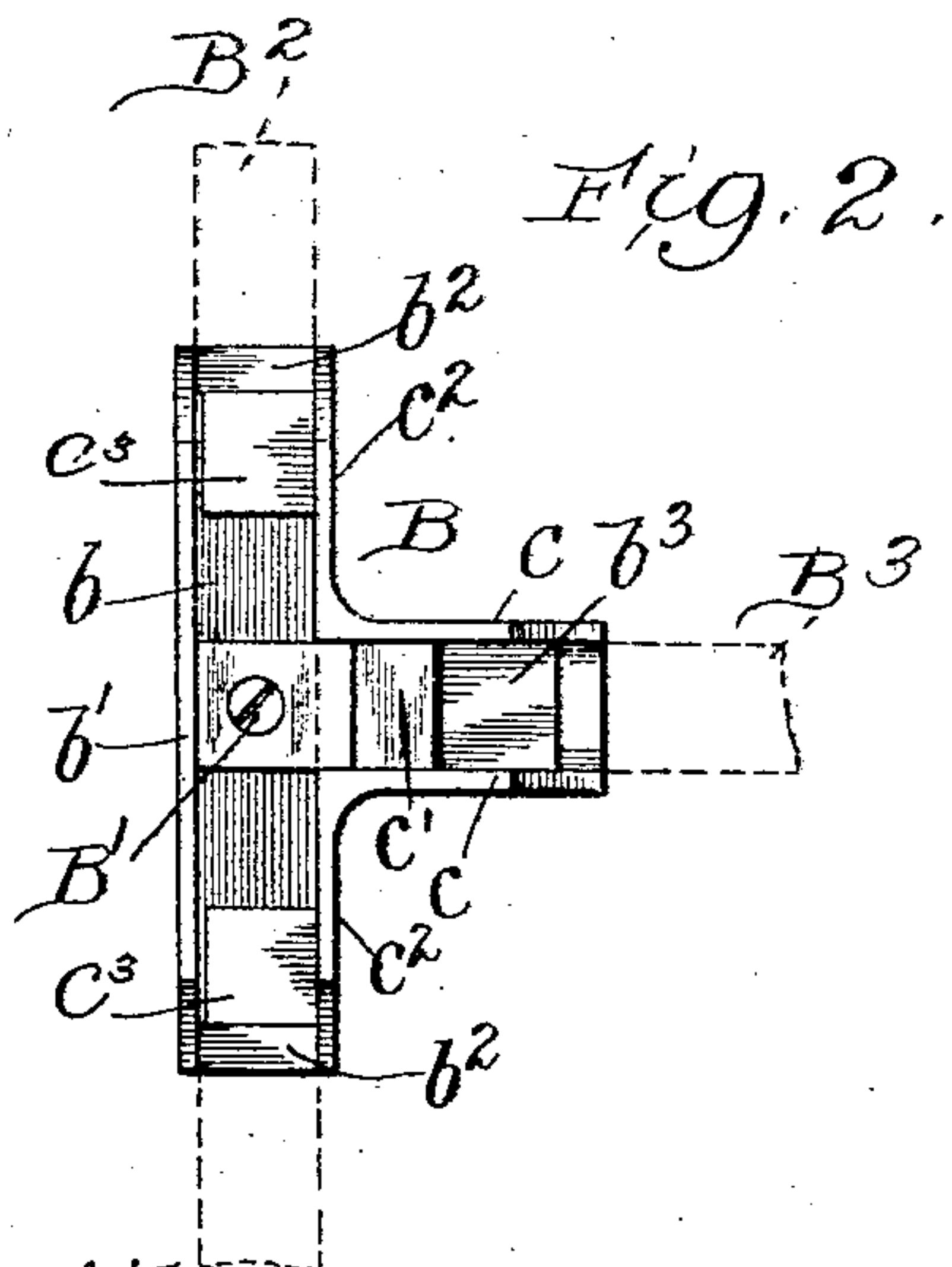
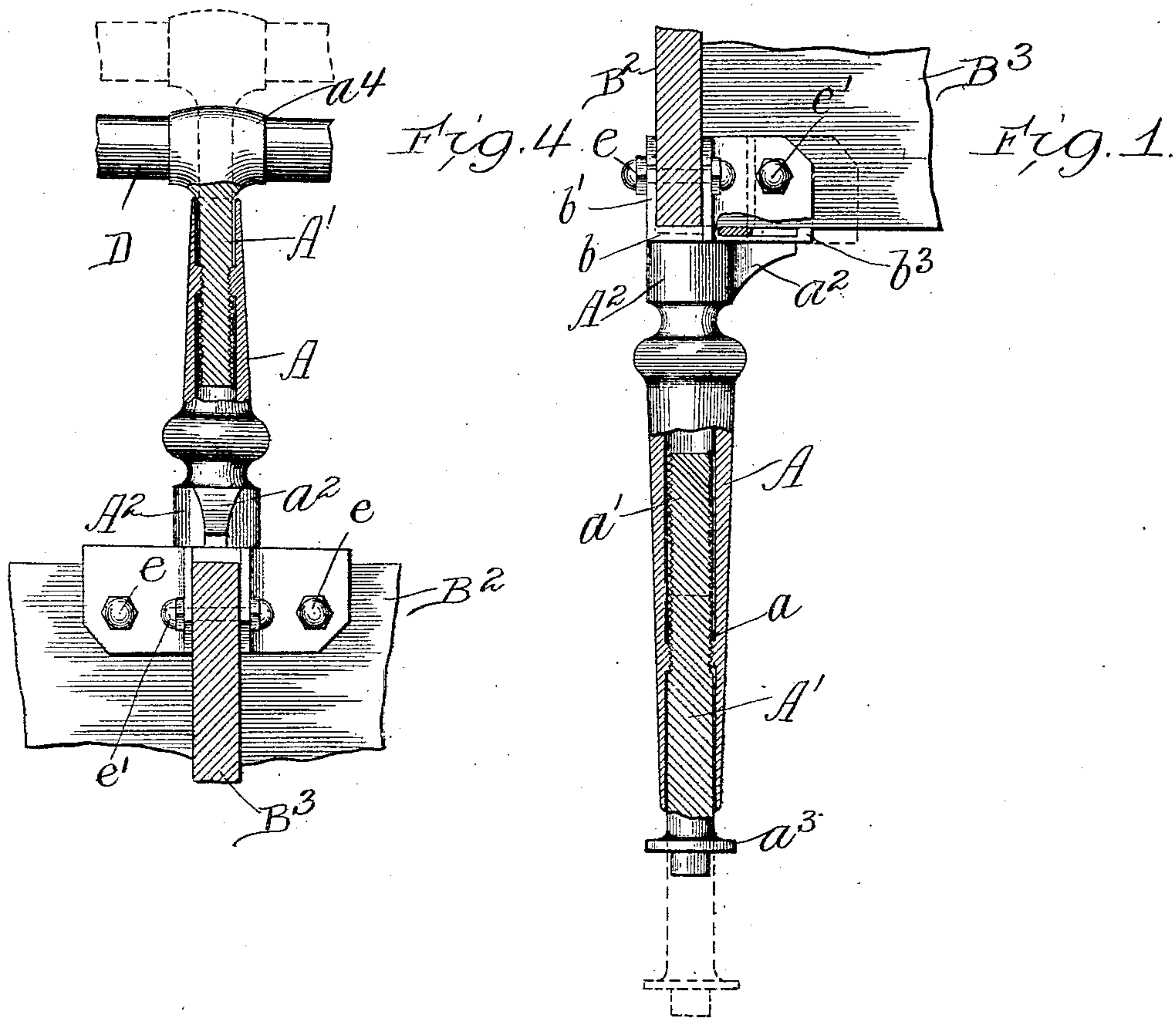


No. 842,330.

PATENTED JAN. 29, 1907.

J. A. McCORMICK.
ADJUSTABLE STANDARD.
APPLICATION FILED AUG. 21, 1905.



Witnesses:

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE STANDARD.

No. 842,330.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed August 21, 1905. Serial No. 275,129.

To all whom it may concern:

Be it known that I, JOSEPH A. McCORMICK, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Adjustable Standards; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to adjustable standards, and more particularly to an adjustable standard for water-closet walls and rails therefor.

In buildings containing a plurality of water-closets in the same room it has usually been customary to support the front and partition walls of the various closets a distance from the floor upon legs or standards, which are provided with seats, in which the marble or slate slabs forming said walls are cut to fit. The slabs forming said walls as received from the manufacturers often vary in thickness sufficiently to require cutting to fit within the seats in the supporting-standards, and where cut they are never reduced to as fine a finish as before, and consequently the roughened surfaces affords a lodgment for dirt, causing an unsightly appearance. It also oftentimes happens that the slab will be of less than the required thickness, and a filler must be placed within the standard-seat to make a proper fit. Furthermore, it is usually customary in such structures to place a finishing-rail above the water-closet walls, which is likewise supported on standards carried on the tops of the walls, which standards must also afford a proper fit with said walls.

The object of this invention is to provide a standard or leg capable of being adjusted longitudinally to give the proper height to the article supported thereby, and which may also be adjusted to engage slabs of varying thickness, thereby obviating the necessity of reducing said slabs at their points of support, and saving a considerable amount of labor and expense.

It is a further object of the invention to provide a standard or support in which the means of adjustment as to length are concealed, thereby affording a neat exterior finish.

This invention consists in the matters hereinafter described, and more fully pointed out and defined in the appended claims.

In the drawings, Figure 1 is a fragmentary side elevation of a device embodying my invention. Fig. 2 is a top plan view of the same. Fig. 3 is a similar view illustrating the adjustment of the seat; and Fig. 4 is a fragmentary side elevation of the standard provided with means for supporting the top rail.

As shown in said drawings, A represents a tubular sleeve or leg open at its lower end and having any desired external configuration to provide the proper finish, but which, as shown, tapers in thickness toward its open end. Said leg, as shown, is provided with a raised internal screw-thread a , adopted to engage the threaded inner end a' of the extensible rod or foot A' , thereby affording adjustment of said foot longitudinally of the leg A. As shown, the outer end of the foot A' fits closely in the end of the leg A, and, owing to the reduced thickness of the walls of said leg, affords an approximately uniform surface for the standard. The end of said leg opposite from the foot A' is provided with a head A^2 , on which is a laterally-directed lug or brace a^2 . Rigidly engaged upon said head, as shown more clearly in Figs. 2 and 3, by means of a set-screw B' , is the seat B, adapted to receive the slabs B^2 B^3 , forming the walls of the water-closet and, as shown, comprises a base portion b , which is provided along its front margin with a longitudinal flange b' , directed at a right angle thereto. At each end of said base is a raised lug b^2 , and centrally thereof is a laterally-directed recessed bracket b^3 , which rests upon the bracket a^2 of said head, as shown more clearly in Fig. 1. Slidably engaged on said bracket b^3 is the adjustable clamp C, comprising, as shown, laterally-directed side members or plates c c , adapted to engage one on each side of the bracket b^3 and integrally connected by the web c' , which slidably engages in the recess in said bracket. Extending outwardly from said plates c c and parallel with the flange b' are the plates c^2 c^2 , which are provided on their inner faces adjacent the bottom thereof with guides c^3 c^3 for the clamp adapted to rest upon the base b of the seat adjacent the lugs b^2 .

The outer end of the rod or foot A' may

assume any desired shape according to the use to which the standard is to be put. As shown in Fig. 1, however, in which the standard is shown as a support for the water-closet walls, said foot is provided near its end with a peripheral flange a^3 , adapted to form a relatively broad base or bearing upon the floor, while in the construction shown in Fig. 4 the outer end of said foot is provided with a transverse sleeve a^4 , adapted to receive the top rod or railing D.

The operation is as follows: Inasmuch as the clamp C is slidably engaged upon the seat B it is obvious that a considerable adjustment is afforded between the flange b and the plates c^2 c^2 of said clamp, and therefore it is capable of receiving marble or other stone slabs B^2 of varying thicknesses, enabling the front walls to be kept in perfect outer alinement, yet obviating the necessity of cutting them to attach the standards. The laterally-directed plates c c afford a seat for the partition-walls B^3 , which are usually of softer stone, such as slate, and can be cut much more easily to reduce to the proper thickness. Said partition-walls B^3 rest upon the brackets b^3 and a^2 , and both the front and partition walls are securely held in their seat by means of bolts e e' , which pass there-through and through the side walls of the seat.

Owing to the threaded connection between the leg and foot the standard is capable of considerable longitudinal adjustment, thereby compensating for any inequalities in the floor.

I claim as my invention—

1. The combination with an extensible leg of a transverse seat thereon, a laterally-extending bracket rigidly engaged to said seat and adjustable means on said bracket adapted together with the seat to engage a slab therebetween.

2. The combination with a leg of a seat on the end thereof, an integral upwardly-extending flange engaged to said seat, a bracket rigidly engaged to said seat and means slidable thereon adapted to vary said seat as to width.

3. In a device of the class described the combination with a leg of a longitudinally-adjustable foot therein, a seat engaged to said leg, an outwardly-extending bracket engaged to said seat, a clamp slidable on said bracket adapting said seat to support slabs of various thickness and means for guiding said clamp in its movement to or from the seat.

4. In a device of the class described the combination with a leg of a transverse seat on the end thereof provided with an outwardly-directed flange, a lateral bracket on said seat and a clamp slidably engaged thereon and adapted to be adjusted with respect to said flange.

5. In a device of the class described the combination with a leg of a transverse seat thereon provided with an outwardly-directed longitudinal flange, a recessed bracket on said seat, a clamp slidably engaged on said bracket and said seat and a seat therein at a right angle to the aforesaid seat.

6. In a device of the class described the combination with a tubular leg of a foot adjustably engaged therein, a transverse seat on one end of said leg, a bracket extending at a right angle to said seat, a clamp slidably engaged on said bracket and provided with a seat therein and means for holding said clamp in adjusted position.

7. In a device of the class described the combination with a tubular leg provided with internal threads for a part of its length of a foot externally threaded for a part of its length and adjustable in said tubular leg, a flanged seat on said leg, a laterally-extending bracket engaged thereto, a clamp, a plurality of inwardly-directed guides connected to said clamp and means whereby said clamp may be adjusted to vary the width of said seat.

8. In a device of the class described the combination with a threaded tubular leg of a threaded foot adapted to be adjusted with respect to said leg, a seat integral with said leg, an upwardly-directed flange engaged thereto, a plurality of lugs on said seat, a bracket rigidly engaged to said seat and projecting outwardly therefrom, a clamp slidable on said bracket and a plurality of guides engaged to said clamp adapted to move transversely of the seat.

9. In a device of the class described the combination with an adjustable leg of a lug rigidly engaged to one end thereof, a seat engaged to said leg, a bracket engaged to said seat and adapted to bear upon said lug, a clamp slidably engaged to said bracket and provided with a seat at an angle to the aforesaid seat and means engaged to the clamp and first-mentioned seat adapted to limit the adjustment of said seat.

10. In a device of the class described the combination with a plurality of threaded leg-sections one movable within the other of means engaged to one of the same adapted to engage a bar, a seat engaged to the other section, a longitudinal flange integral with the seat, a bracket, a clamp slidable on the same and provided with a seat at an angle to the first-mentioned seat and means for holding said clamp in adjustment and adapted to engage a slab rigidly between said flange and clamp.

In testimony whereof I have hereunto subscribed my name in the presence of two subscribing witnesses.

JOSEPH A. McCORMICK.

Witnesses:

W. W. WITHEBURY,
WM. C. SMITH.