

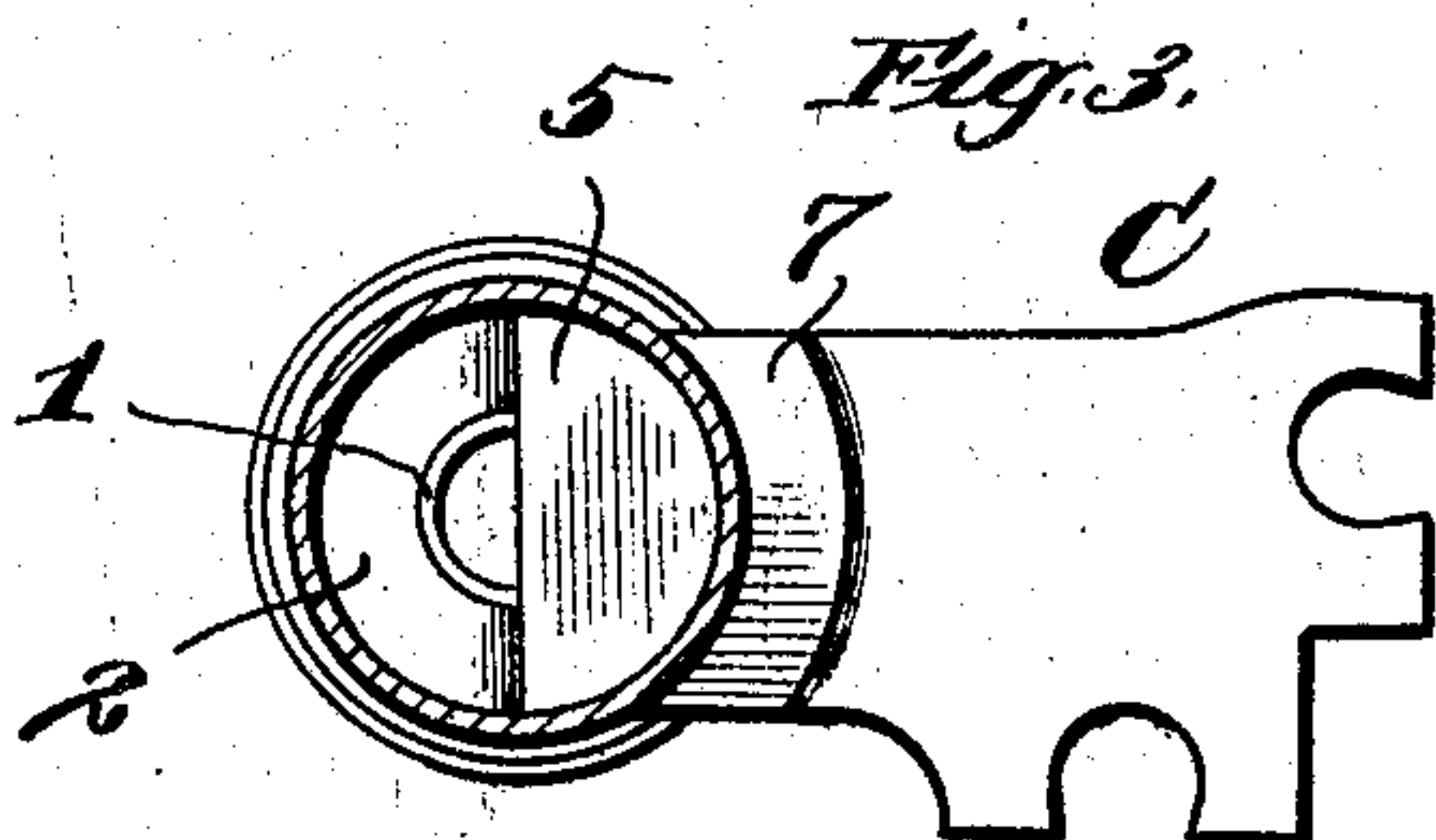
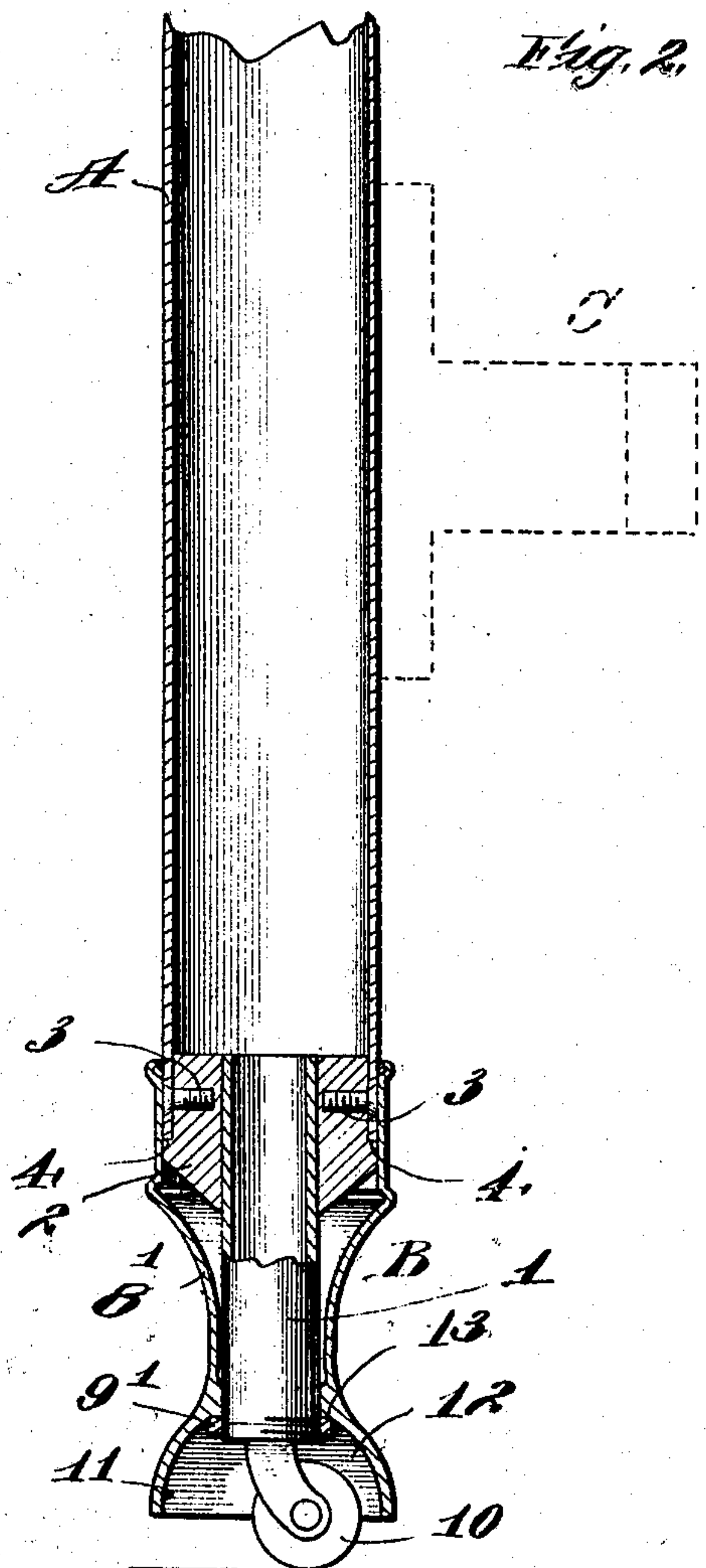
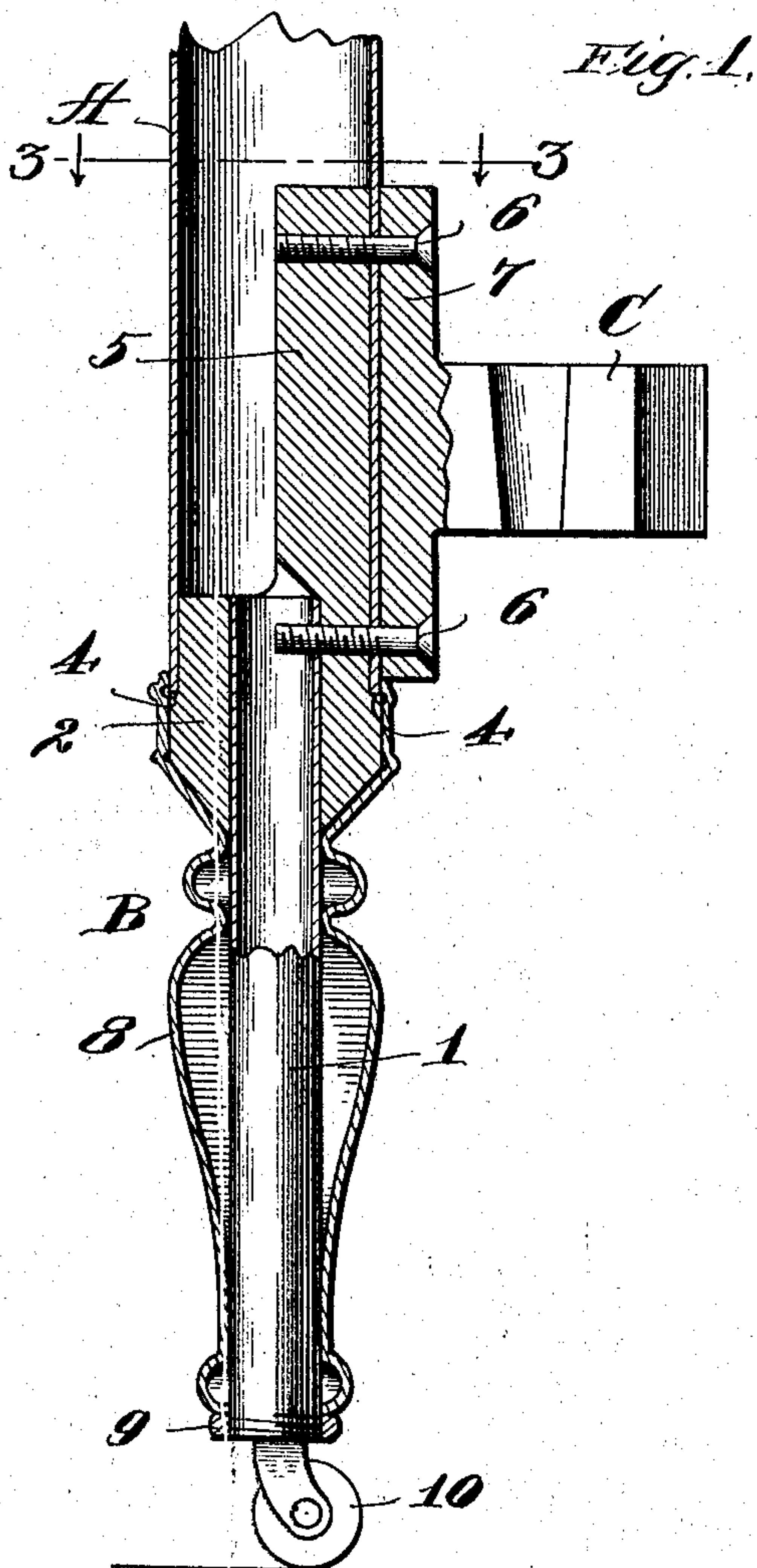
J. M. ADAMS.

METAL BED.

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911,862.

Patented Feb. 9, 1909.



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UNITED STATES PATENT OFFICE.

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METAL BED.

No. 911,862.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed February 21, 1908. Serial No. 417,039.

To all whom it may concern:

Be it known that I, JOHN M. ADAMS, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Metal Beds, of which the following is a specification.

This invention relates to metal beds and relates particularly to legs therefor.

As at present commonly constructed, the legs of metal beds are formed entirely by integral downward extensions of the tubular posts of the bed, an artistic finish being usually provided by spun brass "ornaments" secured over the posts, usually at the lower ends of the posts and frequently at the corner fastenings, or, in the case of iron beds, by ornamental cast iron "chills". This construction is objectionable, particularly where the bed posts are large, for the reason that the effect produced is clumsy and inartistic and, as the commercial success of metal beds depends largely upon their artistic merit, this fact detracts from their selling qualities.

The primary object of the invention is, therefore, to overcome this objectionable feature by providing a leg for metal beds which will be relatively small as compared with the bed post, thus providing for the use of "ornaments" thereon smaller than the bed posts, which will, at the same time, insure a strong, rigid and durable structure.

A further object of the invention is to provide means in connection with legs of this character for supporting the corner fastenings, whereby the entire weight of the bed will be transmitted directly to and borne by the legs, thus effectually relieving the posts from all strain.

To effect these objects, my invention consists of the various features, combinations of features and details of construction hereinafter described and claimed.

In the accompanying drawings, in which my invention is fully illustrated,—Figure 1 is a sectional side view of one form of post embodying my invention. Fig. 2 is a similar view illustrating a slightly different construction; and Fig. 3 is a plan section on the line 3—3 of Fig. 1.

Referring now to the drawings, A designates a tubular post for a metal bedstead, B designates, as a whole, a leg therefor, and C, as a whole, a corner fastening for connecting the side and end rails, not shown, to said

post. While, in the drawings, the post A is shown as circular in cross section, as regards the present invention, the form of said post is immaterial and the invention contemplates the use of any desired form of post, either round, square, rectangular or consisting of different combinations of curves or straight lines.

The leg B consists of a spindle 1 made of strong rigid material, preferably wrought iron gas pipe, much smaller in cross section than the post A. Rigidly secured to the upper end of the spindle 1 is a head 2. Said head is preferably made of soft cast iron and is cast directly upon the upper end of the spindle 1, thereby forming a very strong and rigid connection between said spindle and head, as desired.

The shape in cross section of the upper end of the head 2 corresponds to that of the hole or opening in the lower end of the post A and is of such size that it will fit tightly into said hole or opening, so that it may be secured in said post by frictional engagement only, but my invention contemplates equally securing said head to the post in any other desired manner, as by means of screws 3.

Formed on the head 2, preferably adjacent to its lower end, is a shoulder 4 upon which the lower end of the post A rests and which operates, in an obvious manner, to transmit the entire weight carried by said post A directly to the leg B.

As shown in Fig. 1, the head 2 is extended upwardly within the post A, as shown at 5, to provide for a strong, rigid and durable connection of the corner fastening C to said post. To save metal and to reduce the weight of the structure, said extension 5 is made at one side only of said head 2, being made only of sufficient width and thickness to afford necessary strength for its designed purpose and function. The corner fastening C is connected to the post A by screws 6 which extend through a plate 7 at the base of said corner fastening C and the post A, and are threaded into the extension 5 of the head 2, said base plate 7 on the corner fastening C being provided with a seat which conforms to the shape of the post where said corner fastening engages the same. This construction is particularly available when the leg B is connected to the post A at a point closely adjacent to the corner fastening C, though it may, of course, be used even

under conditions where the leg B is short and the point at which it is connected to the post A, a considerable distance below the corner fastening. As regards the leg proper, however, the invention contemplates equally the omission of the upward extension 5 of the head 2, in which event the corner fastening C may be secured to the post in any desired or usual manner. Any suitable "ornament", indicated at 8, of spun brass or the like, may be secured over the spindle 1 of the leg B to cover the same and to impart an ornamental finish to the bed post. At its upper end, this "ornament" will fit closely around the lower end of the post A and at its lower end will fit closely the lower end of the spindle 1 of the leg B, said "ornament" being held in position by means of a nut 9 threaded to the lower end of the spindle 1. Owing to the fact that the spindle 1 is materially smaller than the post A, it is possible, with this construction, to use an "ornament" which tapers downwards from its upper end, thus admitting of a more artistic and less clumsy finish than with posts as at present constructed. The spindle 1 being tubular at its lower end, a caster 10 may be readily secured therein.

If desired, the ornament which incloses the leg B, may very easily be constructed and arranged to impart a "claw-foot" finish, or the like, to the post. In Fig. 2, the "ornament" indicated by 8¹, is of this character, the construction being as follows, to produce the desired effect:—Formed on the lower end of said ornament 8¹ is what may be termed a foot 11, which is relatively much larger than the body portion of said "ornament" and which may be made to represent a "claw-foot" or any other desired design. Formed in the under side of said foot 11 is a recess 12, which is sufficiently large to receive the caster and to permit it to turn freely, said recess 12 being made of such depth that it will permit the bottom of the foot 11 to extend into desired proximity to the floor. The "ornament" 8¹ is secured in position by a nut 9¹ threaded to the lower end of the spindle of the leg B, which bears against a shoulder 13 on said "ornament" at the top of the recess 12, the interior of said "ornament" being contracted at this point to closely embrace the spindle to hold said "ornament" from lateral displacement and to prevent the same from rattling. "Ornaments" of this character will commonly be made of cast metal, usually cast brass.

The shape of the spindle 1, whether curved or straight, and its position in the head 2, whether central or eccentric, is obviously immaterial and both admit of a wide range of variation to produce different effects without departure from my invention.

I claim:—

1. A post for a bed or the like, comprising an upper tubular portion and a leg therefor, said leg comprising a spindle, a head thereon secured to the lower end of the upper tubular portion of the post and a shoulder on said head upon which the lower end of the upper tubular portion of the post rests.

2. A post for a bed or the like, comprising an upper tubular portion and a leg therefor, said leg comprising a spindle, a head thereon secured to the lower end of said post, a shoulder on said head upon which the lower end of said post rests, an upward extension on said head inside of said post, a corner fastening comprising a rigid base plate, and bolts inserted through said base plate and the post into the upward extension of said head.

3. A post for a bed or the like, comprising an upper tubular portion and a leg therefor, said leg comprising a relatively small spindle as compared with the size of the upper tubular portion of said post, a head thereon secured in the lower end of the upper tubular portion of said post, an "ornament" for covering said leg, which, below the head on said spindle, may thus be made smaller, in whole or in part, than the upper tubular portion of the post, and means for securing said ornament in position.

4. A post for a bed or the like, comprising an upper tubular portion and a leg therefor, said leg comprising a relatively small spindle as compared with the upper tubular portion of said post, a head thereon secured in the lower end of the upper tubular portion of said post, an "ornament" for covering said leg, which, below the head on said spindle, may thus be made smaller, in whole or in part, than the upper tubular portion of the post, and a nut threaded to the lower end of the spindle of said leg below a rigid portion of said ornament for securing the same in position.

5. A post for a bed or the like, comprising an upper tubular portion and a leg therefor, said leg comprising a relatively small spindle as compared with the size of the upper tubular portion of said post, a head thereon secured in the lower end of the upper tubular portion of said post, an "ornament" for covering said leg comprising a relatively large foot provided with a recess for receiving the caster and means for securing said ornament in position.

In testimony, that I claim the foregoing as my invention, I affix my signature in presence of two subscribing witnesses, this 11th day of February, A. D. 1908.

JOHN M. ADAMS.

Witnesses:

CHARLES B. GILLSON,
E. M. KLATCHER.