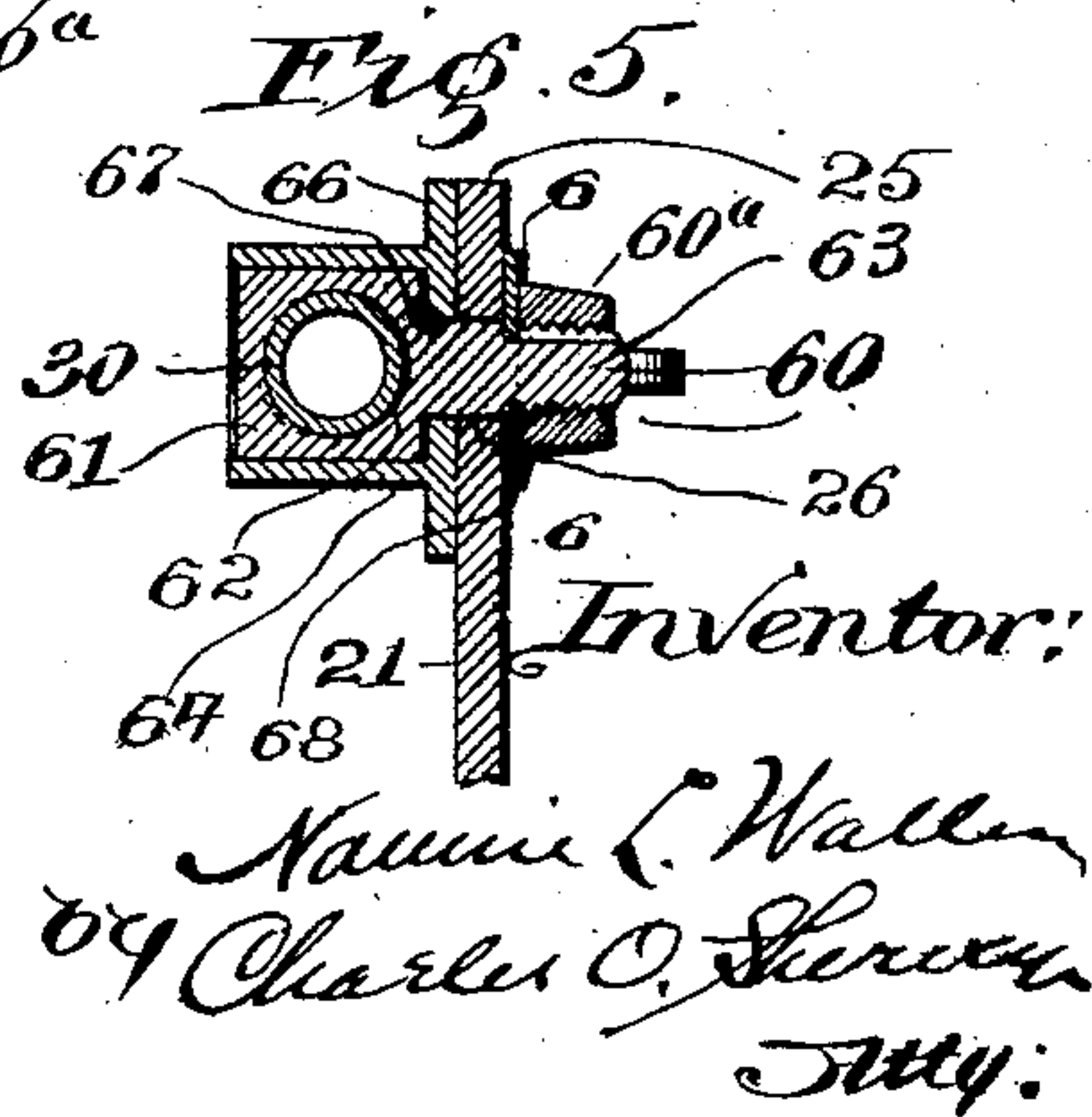
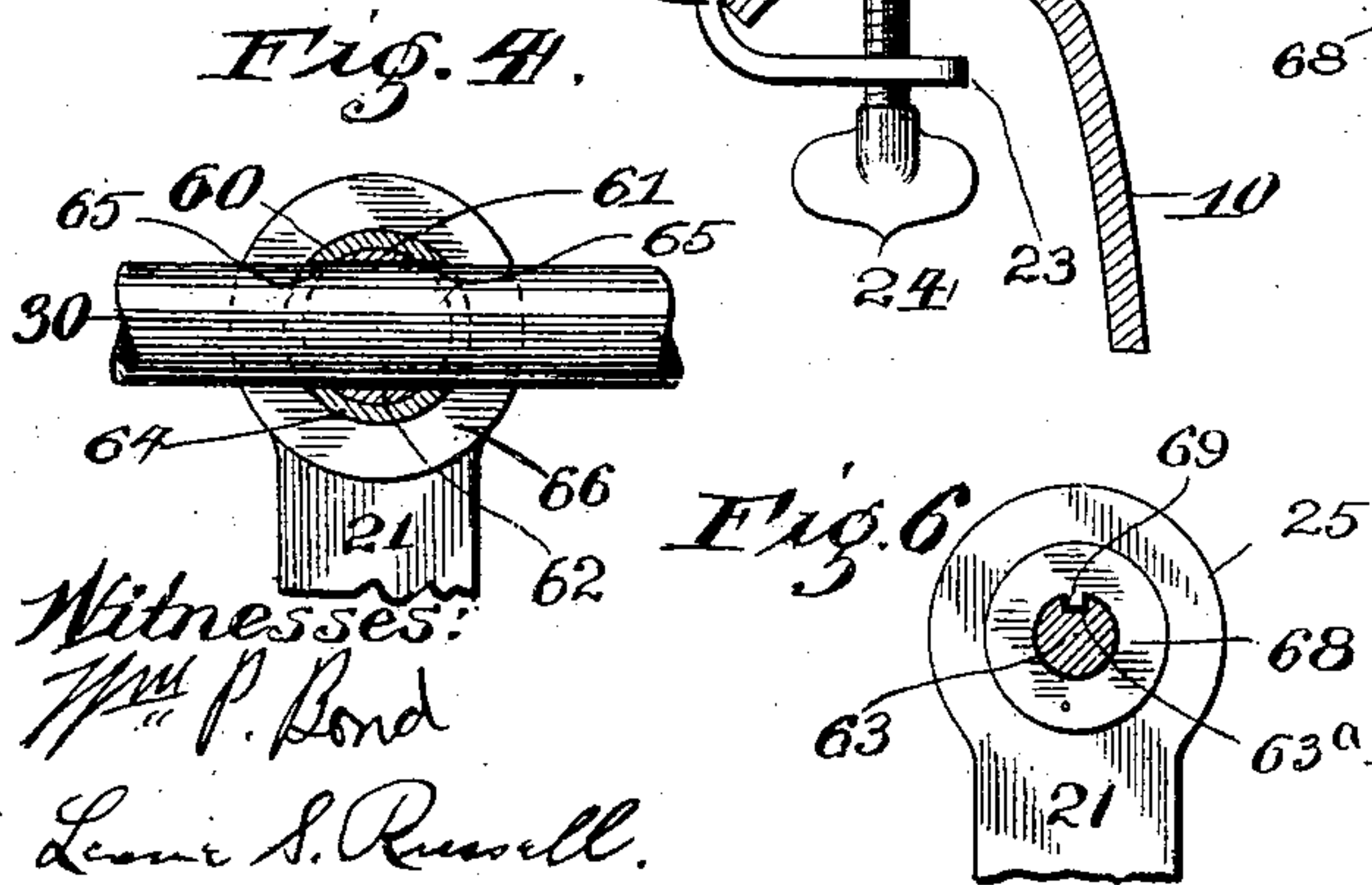
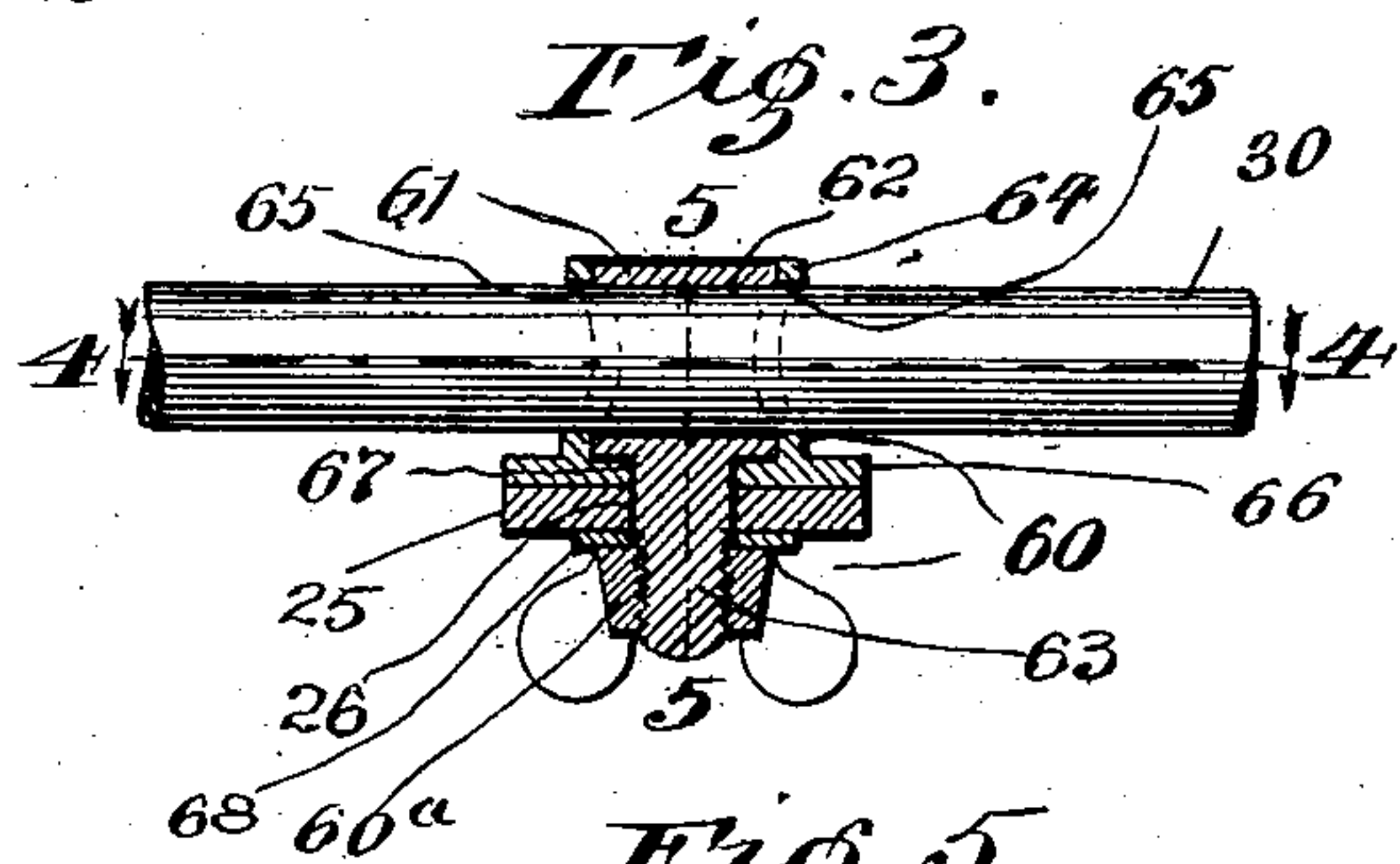
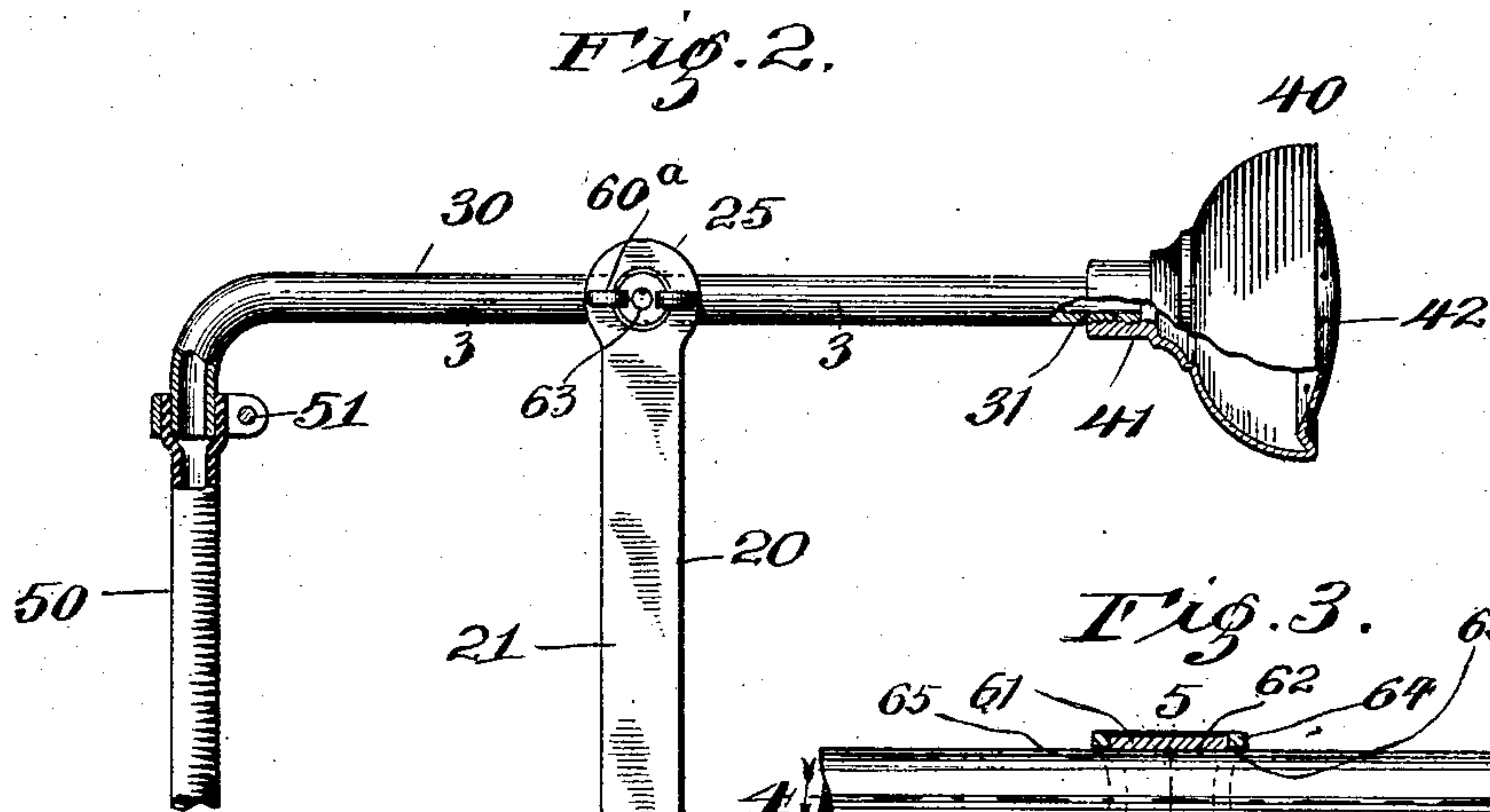
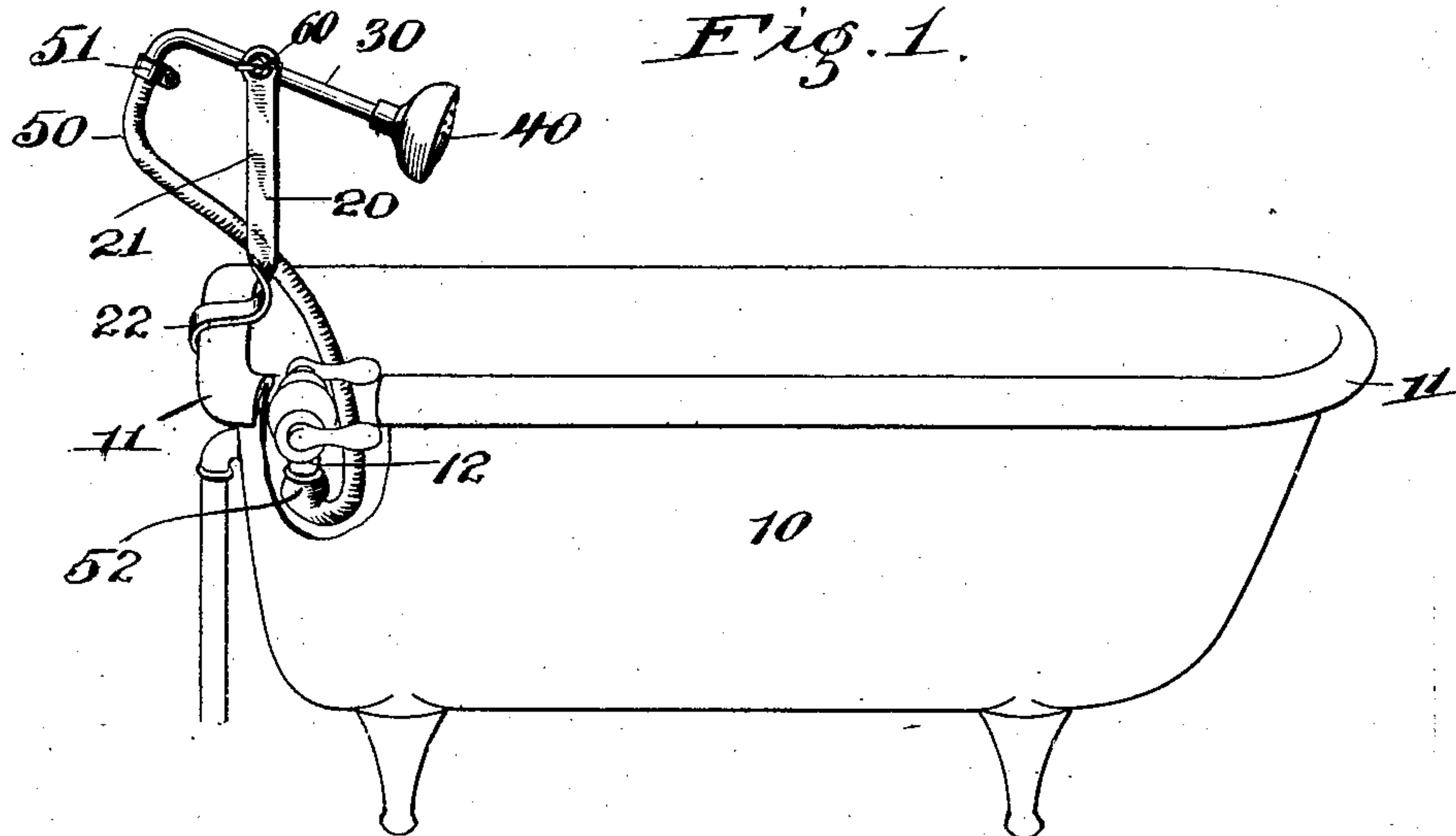


No. 865,137.

PATENTED SEPT. 3, 1907.

N. L. WALLEN.
SHOWER BATH APPARATUS.
APPLICATION FILED SEPT. 1, 1906.



Witnesses:
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UNITED STATES PATENT OFFICE.

NANNIE L. WALLEN, OF CHICAGO, ILLINOIS.

SHOWER-BATH APPARATUS.

No. 865,137.

Specification of Letters Patent.

Patented Sept. 3, 1907.

Application filed September 1, 1906. Serial No. 232,936.

To all whom it may concern:

Be it known that I, NANNIE L. WALLEN, a citizen of the United States, residing in the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Shower-Bath Apparatus, of which the following is a full, clear, and exact description.

My invention relates to certain new and useful improvements in shower bath apparatus, the object being to provide a simple and comparatively inexpensive apparatus of this class which may be detachably secured upon the ordinary iron or porcelain bath tub and connected with the faucet thereof by means of a flexible connection.

To such end this invention consists in certain novel features of construction and arrangement, a description of which will be found in the following specification, and the essential features more definitely pointed out in the appended claims.

The invention is clearly illustrated by means of drawings furnished herewith, in which

Figure 1 is a perspective view of an ordinary enameled or iron bath tub with my improved shower bath apparatus applied thereto and showing the same in position for use. Fig. 2 is a detail view of the apparatus with certain portions broken away and showing the same attached to the tub. Fig. 3 is a horizontal section taken on the line 3—3 of Fig. 2. Fig. 4 is a vertical section taken on the line 4—4 of Fig. 3. Fig. 5 is a vertical cross section taken on the line 5—5 of Fig. 3, and Fig. 6 is a vertical section taken on the line 6—6 of Fig. 5.

Referring to these drawings, 10 represents an ordinary enameled iron bath tub which is provided with a rolled upper edge or flange 11 that extends completely around the same.

The shower bath apparatus in general comprises a standard 20, a spray-device consisting of a tubular stem 30, and a perforated head 40, a rubber hose 50, and a clamping-mechanism 60 which connects the stem 30 of the spray device with the standard 20. The standard 20 consists preferably of a metal bar 21 which is bent at its lower end into the form of a yoke 22 which extends at right angles to the main portion, a set-screw 24 being threaded in the lower flange 23 of the yoke 22 for attaching the apparatus to the tub. In securing the apparatus upon a tub, the yoke 22 is slipped over the flange 11 of the tub and the set-screw 24 screwed up against the lower face of the flange. The upper end of the standard is enlarged to form a head 25 upon which the clamp 60 is pivotally connected. Said clamp consists preferably of a block 61 which is formed with a cylindrical bore 62 for the reception of the stem 30 and said block is provided with a screw threaded stud 63 which extends through a perforation 26 in the head 25 of the standard and bears a wing-nut 60^a.

The block 61 is slidably mounted in a socket 64 and said socket is provided with openings 65, which when brought into line with bore 62 in the block 61, permit the stem to be inserted in the block and socket. The socket 64 has a flange 66 which bears against one face of the head 25 of the standard and said flange contains a perforation 67 through which extends the screw threaded stud 63 of the block 61. A washer 68 is placed upon the stud 63 and said washer contains a tongue 69 which is seated in a longitudinal groove 63^a in the stud. The tongue and groove connection between the washer 68 and the stud 63 is intended to furnish means for preventing relative rotation between the washer and stud and consequently any accidental tightening or loosening of the nut 60^a caused in operating the spray-device. By tightening up the nut 60^a the stem 30 will be crowded between the walls of the openings 65 in the socket 64 and the wall of the opening 62 in the block 61, thus clamping the stem 30 therein and at the same time the flange 67 of the socket 64 will be tightened against one face of the head 25 of the standard, thus frictionally securing the stem 30 against oscillatory movement relative to the standard. Inasmuch as the parts are held by friction alone, the nut 60^a may be screwed up to produce the necessary friction to securely hold the spray-device in any position relative to the standard and still permit the spray-device to be manipulated by hand so as to change its angular or longitudinal position with respect to the standard without loosening the nut 60^a. The stem 30 is preferably screw-threaded at the end 31 and screwed into the nipple 41 of the head 40. The front wall 42 of this head is suitably perforated to cause the water to pass through in a fine spray. The other end of the stem 30 is preferably curved and connected to the rubber hose 50 by a clamp 51, the free end of the rubber hose being provided with a head 52 which may be slipped over the faucet 12 of the water supply pipes.

The apparatus being secured to the tub as above described, is always ready for use by simply securing the rubber hose upon the faucet 12 and placing the stem 30 in such a position that the spray will be confined to the tub. The direction of spray can be changed at will by merely shifting the position of the stem and when the user is through with the device it may be turned up into a vertical position and thus be entirely out of the way.

I am aware that various alterations and modifications of the details of construction are possible, and do not, therefore desire to limit myself thereto except as particularly pointed out in the following claims.

I claim as new and desire to secure by Letters Patent:

1. In a shower bath apparatus, the combination with a standard having means for detachably connecting it with a tub, of a spray device comprising a tubular stem and a spraying head, a friction device interposed between the

spray device and standard having a swivel connection with the standard extending transversely of the stem and adapted to hold the spray device in any angular or longitudinal position relative to the standard, and a flexible
5 connection between the spray device and the faucet of the tub.

2. In a shower bath apparatus, the combination with a standard containing means for embracing the flange of a bath tub, and a set screw for clamping the standard there-
10 to, of a spray device comprising a tubular stem and a spraying head, a friction device interposed between the spray device and standard having a swivel connection with the standard extending transversely of the stem and adapted to retain the spray device in any angular position
15 relative to the standard, and a flexible connection between the spray device and the faucet of the tub.

3. In a shower bath apparatus, the combination with a standard having means for detachably connecting it with the flange of a tub, a perforated block, a socket containing
20 perforations adapted to register with the perforation in the block, and bearing against the standard, a screw threaded stud extending through a perforation in the standard and forming a swivel connection between the socket and standard, a nut threaded upon said stud, a
25 shower device containing a tubular stem extending through the perforations in the block and socket, and a flexible connection between the stem and faucet of the tub.

4. In a shower bath apparatus, the combination with a

standard having means for detachably connecting it with the flange of a tub, of a socket bearing upon one face of
30 said standard, a block seated in said socket and movable with respect thereto, a screw threaded stud upon said block extending through perforations in the socket and standard and forming a swivel connection between the
35 socket and standard, a nut threaded upon said stud and bearing against the opposite face of the standard, a spray device containing a tubular stem extending through perforations in the block and socket and adapted to be
40 clamped therein by the action of the nut, and a flexible connection between said stem and the faucet of the tub.

5. In a shower bath apparatus, the combination with a standard having means for detachably connecting it with the flange of a bath tub, of a socket bearing upon one face
45 of the standard, a perforated block seated in said socket, a screw threaded stud upon said block extending through a perforation in the standard, and forming a swivel connection between the socket, block and standard, a washer surrounding said stud and having a tongue which en-
50 gages with a slot in the stud, a nut threaded upon the stud and bearing upon the washer, a spray device containing a tubular stem mounted in the socket and block and a flexible connection between the stem and the faucet of the tub.

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Witnesses:

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