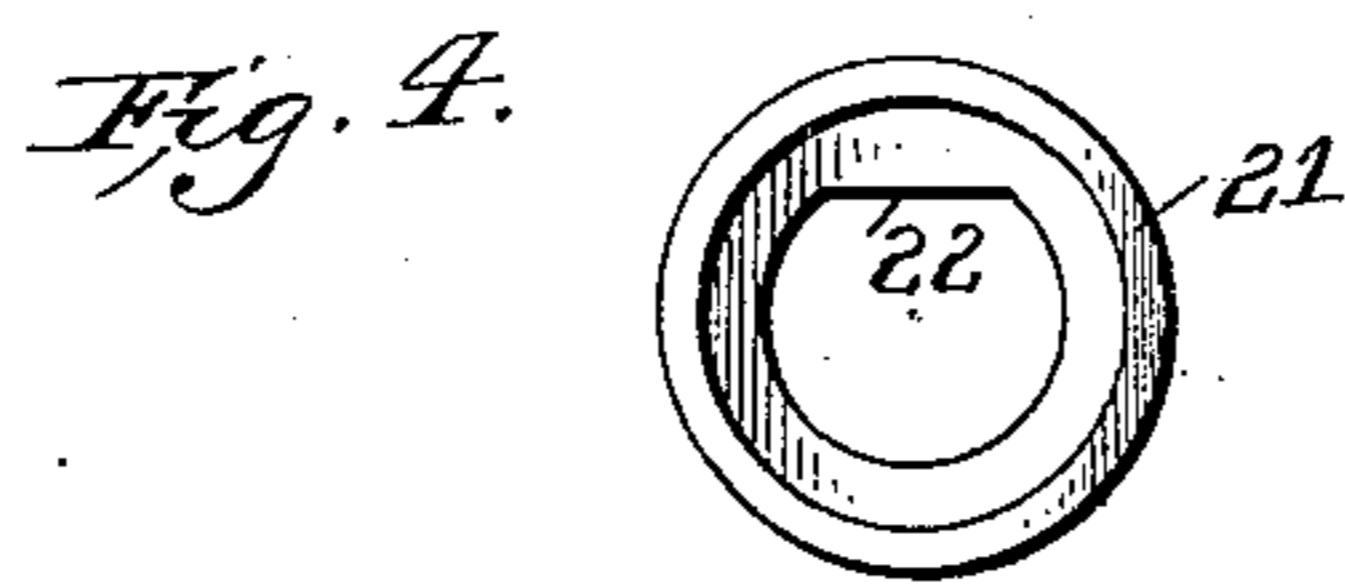
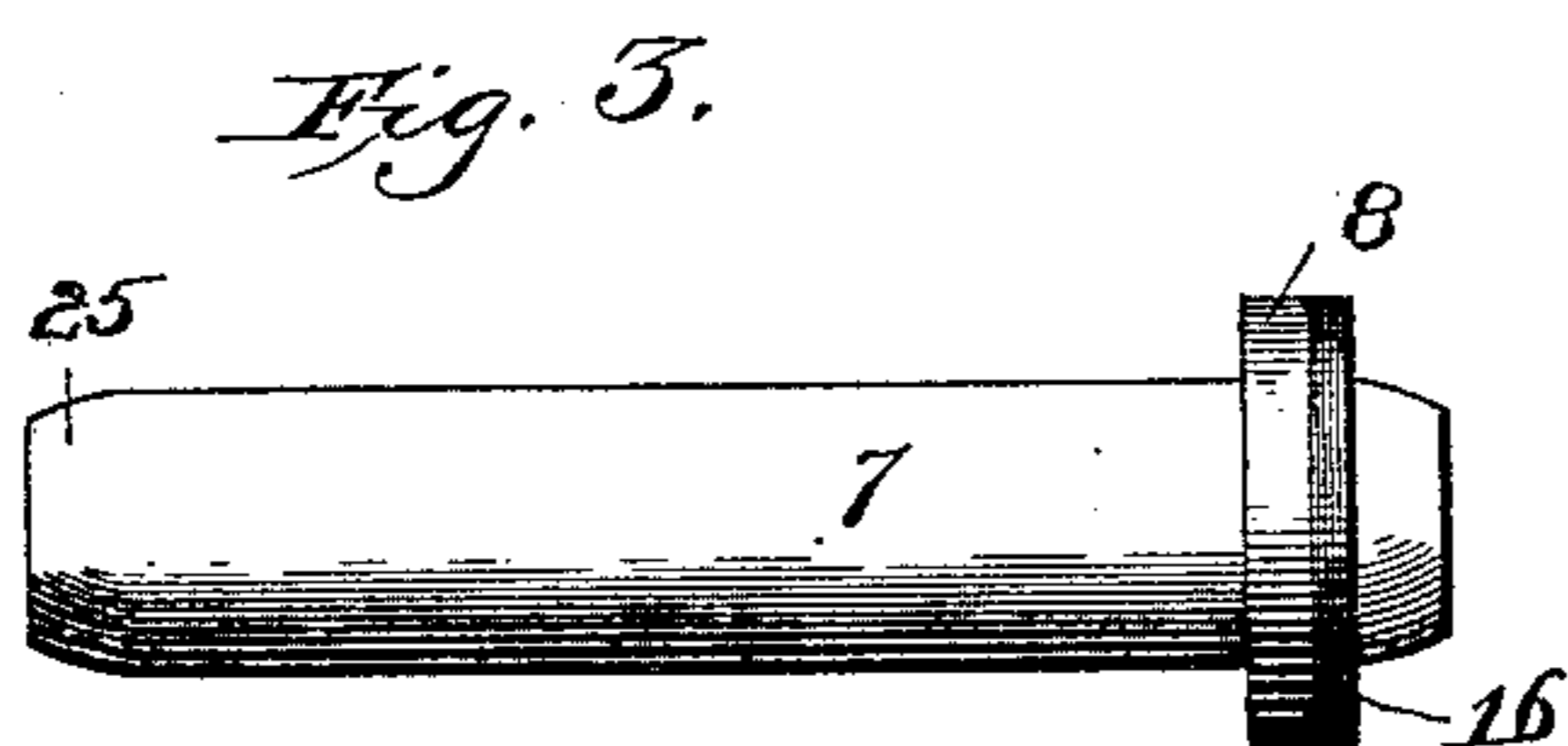
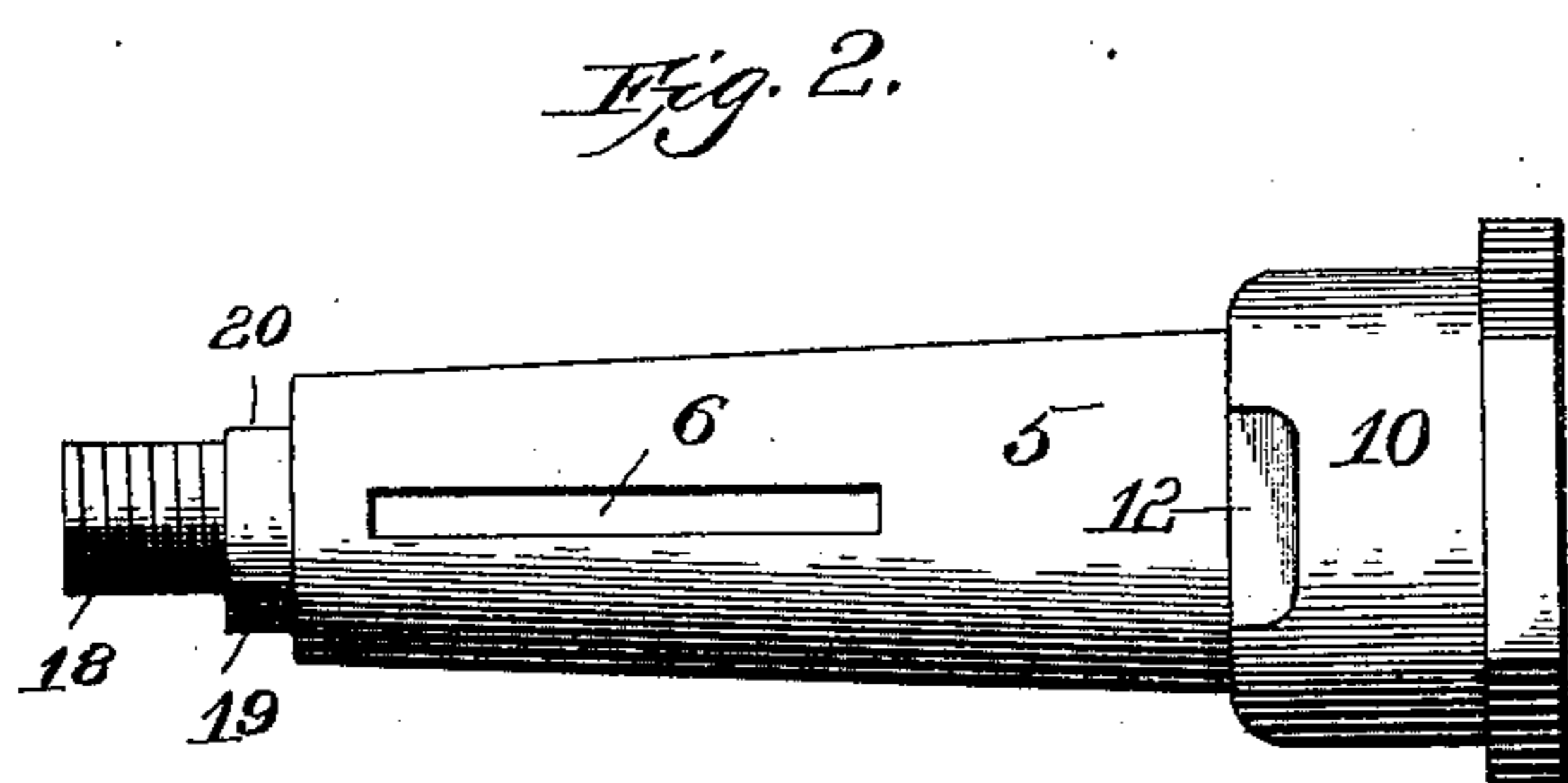
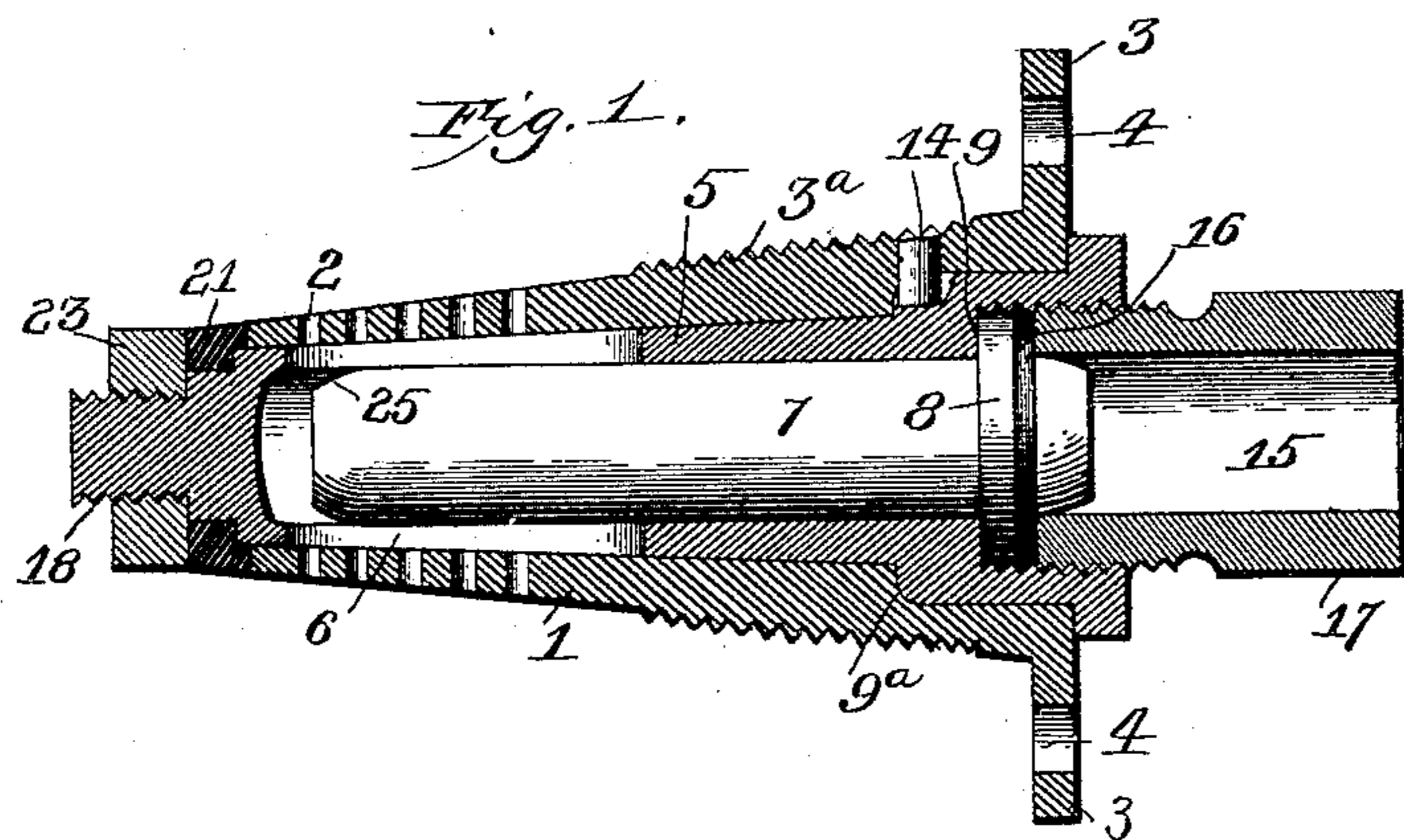


(No Model.)

J. DELEE.
BEER FAUCET.

No. 452,695.

Patented May 19, 1891.



WITNESSES:
F. L. Ouraud.
H. L. Leoombs

INVENTOR;
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UNITED STATES PATENT OFFICE.

JAMES DELEE, OF TROY, NEW YORK, ASSIGNOR OF ONE-HALF TO JOHN O'CONNOR, OF SAME PLACE.

BEER-FAUCET.

SPECIFICATION forming part of Letters Patent No. 452,695, dated May 19, 1891.

Application filed May 12, 1890. Serial No. 351,490. (No model.)

To all whom it may concern:

Be it known that I, JAMES DELEE, a citizen of the United States, and a resident of Troy, in the county of Rensselaer, and State of New York, have invented certain new and useful Improvements in Beer-Faucets; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in beer-faucets, and is designed for use more particularly in breweries in connection with vats and hogsheads containing the beer in bulk, which is to be drawn off into kegs and barrels.

The invention consists in the novel construction and combination of parts hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a central sectional view of a faucet constructed in accordance with my invention. Fig. 2 is a side elevation of the hollow rotating sleeve. Fig. 3 is a similar view of the tube fitting into the rotating sleeve. Fig. 4 is a view of the washer detached fitting on the end of the rotating sleeve.

In the said drawings, the reference-numerals designate the bushing, tapering in form and having a tapering bore. At one end this bushing is provided with a series of horizontal rows of perforations 2 at equal distances apart, and at its other end is provided with a screw-thread 3^a for holding it in place in the vat or hogshead. It may also be provided with a flange 3, having screw-holes 4 as an additional means of securing it.

The numeral 5 designates a sleeve tapered to correspond with and fitting in the bore of the bushing. It is provided with a series of horizontal slots 6, which, when the faucet is open, register with the perforations 2. This sleeve is hollow and closed at its lower end and receives within it the tube 7, having a flange 8 at its forward end, which engages with a shoulder 9 on the sleeve formed by enlarging the outer end thereof, which fits in a corresponding recess 9^a in the bushing. The

periphery of this enlarged portion or head 10 is recessed at 12 to receive a stud or stop 14 on the bushing, by which the rotary movement of the sleeve within the bushing is limited. This head is also formed or provided with a square, hexagonal, or other angularly-shaped end to engage with a wrench by which it is rotated, and is also provided with an internal screw-thread to receive the screw-threaded end of a coupling 15, a leather or other washer 16 being interposed between the coupling and tube 7, and said coupling is formed with an angular head 17 to receive and engage with an ordinary wrench. The inner end of the sleeve 8 is cut away, forming a screw-threaded shank 18, with a plain portion 19, having a segment of its periphery cut away, forming a flat portion 20.

21 designates a washer, having a portion 22 corresponding with the flat portion 21, so that when said washer is placed on the shank it will be securely held and will rotate with it. A binding-nut 23 fits on the screw-threaded end of the shank 18. It will be noted that the tube 7 does not extend to the end of the bore in the sleeve 5, whereby a small space is left between its end and the closed end of the sleeve for the passage of the beer entering through the perforations 2 and slots 6. The inner end of the tube is also slightly beveled, as seen at 25.

The operation is as follows: The parts being all in proper position, as shown in Fig. 1, the bushing is inserted in an opening in the hogshead, with its inner end projecting into the interior thereof. When it is desired to draw off the beer, the sleeve 5 is rotated by a wrench applied to the angular head thereof until the slots 6 register with the perforations 2 in the bushing, the movement of said sleeve being limited by the stud 14, working in recess 12. The beer will now pass through the perforations 2 and slots 6 to the space between the tube 7 and end of the sleeve, and from thence will pass through said tube to the coupling 15, from whence it may be drawn to a keg or barrel by means of a pipe or other connection. A rotation of the sleeve in a reverse direction will cut off the supply or flow of the beer.

While I have described my invention as be-

ing particularly designed for use in breweries, it is obvious that it is equally applicable to all the uses for which such devices are ordinarily employed. Its advantages will also be
5 obvious to those skilled in the art to which it pertains and need not be enumerated here.

Having thus described my invention, what I claim is—

1. The combination, with a bushing having
10 a tapering bore, a series of rows of horizontal perforations at its inner end, and means for securing it in a vat or hogshead, of a tapering sleeve fitting and rotating in said bushing, closed at its inner end and provided with
15 a series of horizontal slots, and the tube fitting in said sleeve and extending to near the closed end thereof, substantially as described.

2. The combination, with the bushing 1, having recess 9^a, perforations 2, screw-threads 3^a,
20 flange 3, and a tapering bore, of the tapering sleeve 5, having a central bore closed at its

inner end, horizontal slots 6, and an enlarged angular head, the tube 7, fitting in said sleeve and having the flange 8, and the coupling 15, fitting in said enlarged head of the sleeve, 25 substantially as described.

3. The combination, with the bushing 1, having recess 9^a, perforations 2, screw-threads 3^a, flange 3, stud or stop 14, and a tapering bore, of the sleeve 5, having a central bore closed 30 at its inner end, horizontal slots 6, and an enlarged angular head with a peripheral recess 12, the tube 7, fitting in said sleeve and having the flange 8, and the coupling 15, substantially as described. 35

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JAMES DELEE.

Witnesses:

JAMES B. EGAN,

HENRY J. MCCORMICK.