

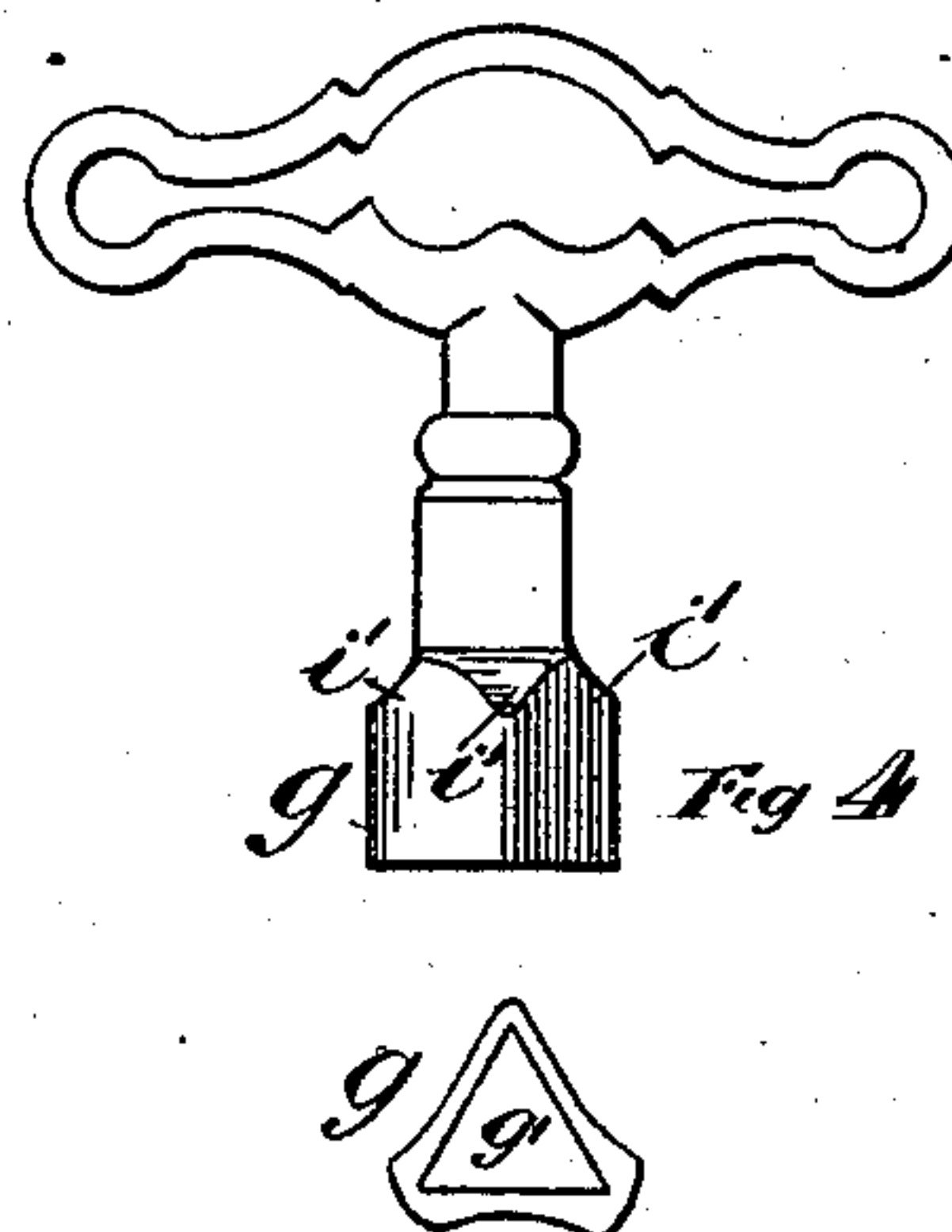
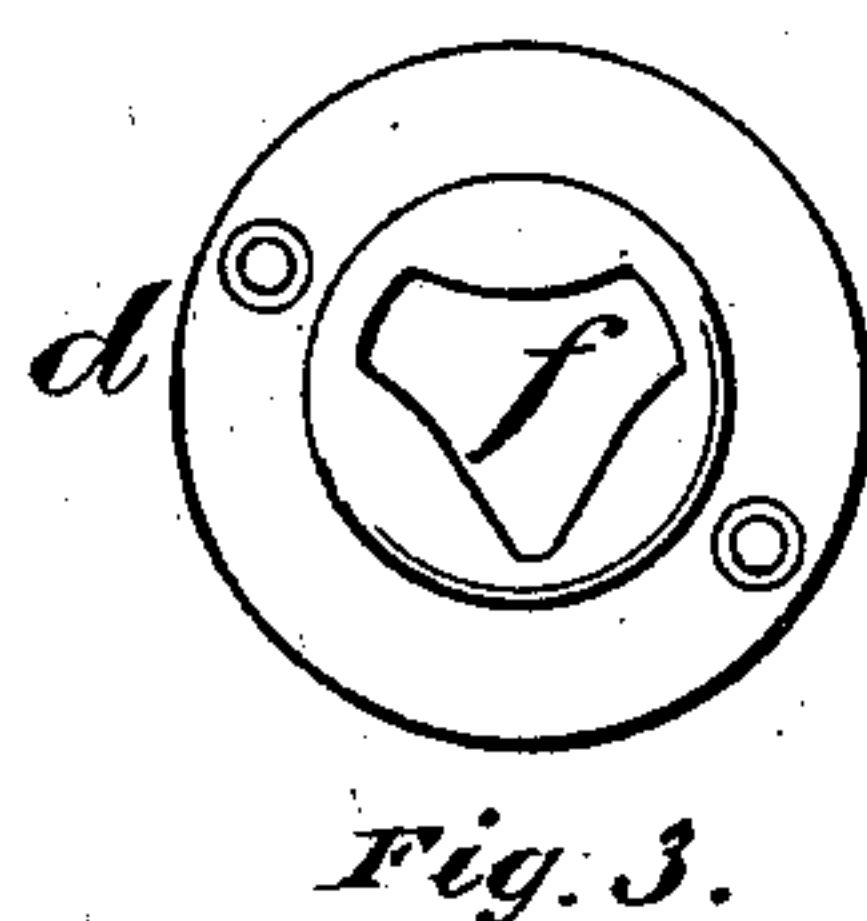
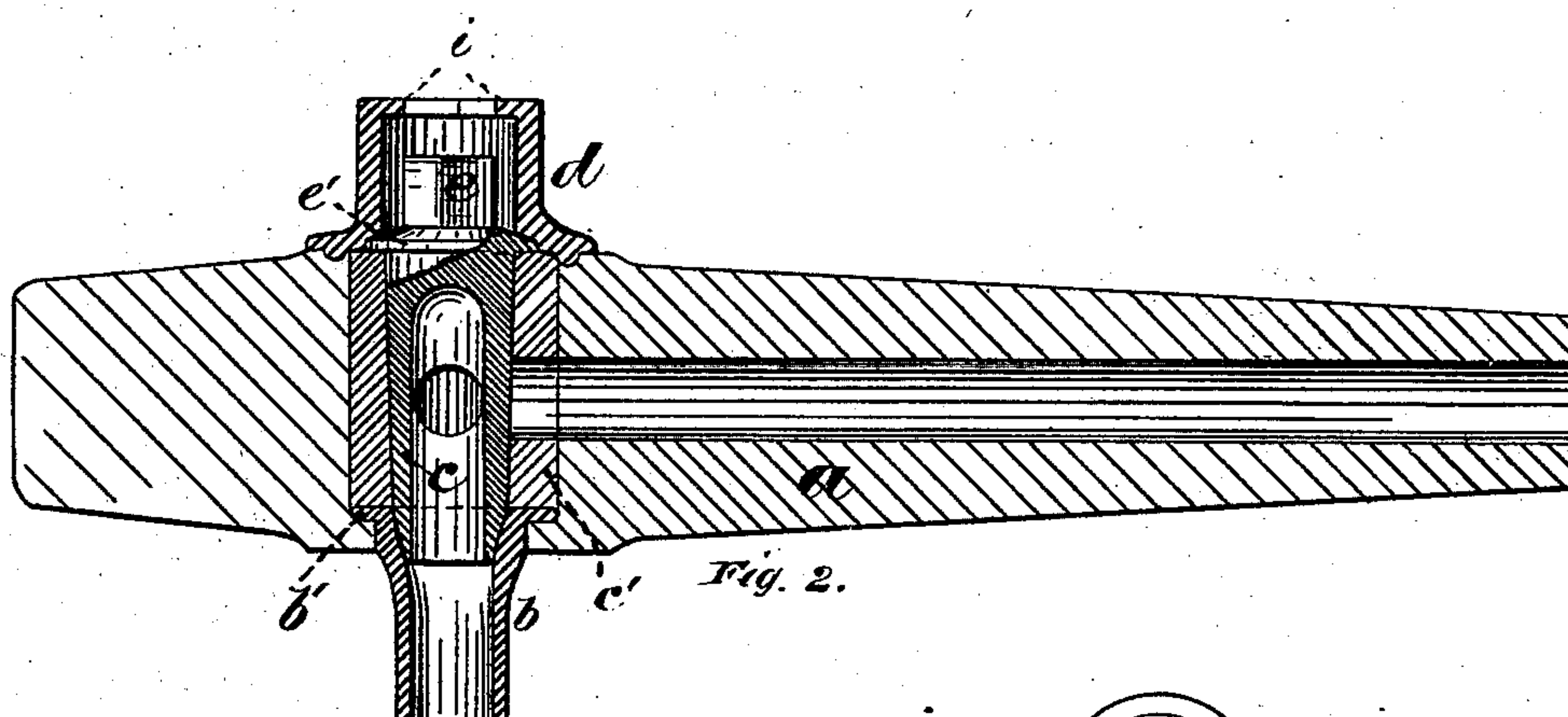
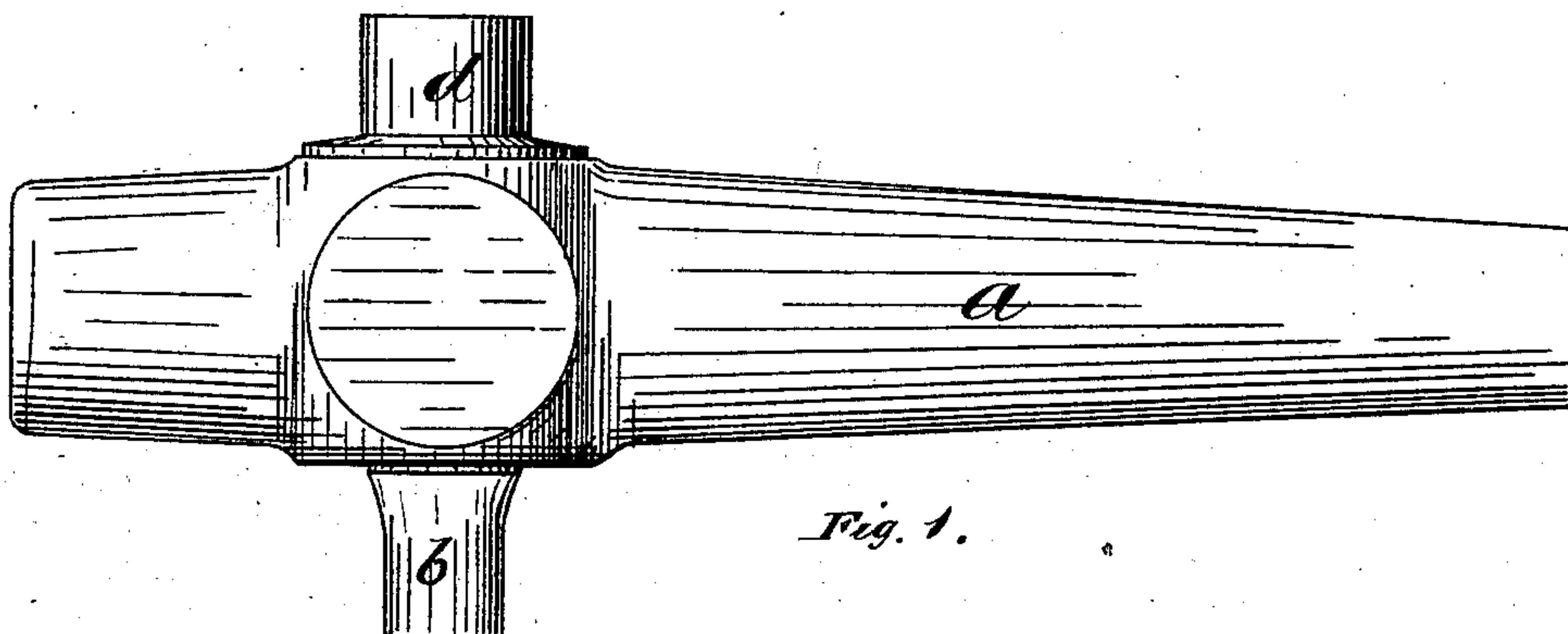
(No Model.)

J. SOMMER Jr.

FAUCET.

No. 275,727.

Patented Apr. 10, 1883.



*Attest:*

Charles H. Pell  
Chas. Herr.

*Inventors:*

*John Sommer, Jr.*  
by *O. Drake. Atty*

# UNITED STATES PATENT OFFICE.

JOHN SOMMER, JR., OF NEWARK, NEW JERSEY.

## FAUCET.

SPECIFICATION forming part of Letters Patent No. 275,727, dated April 10, 1883.

Application filed October 9, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN SOMMER, Jr., a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Faucets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to that class of faucets designed to be operated by means of a detachable key, and sometimes denominated "lock-faucets," the object being to overcome certain objections and disadvantages which may be urged against many of those heretofore in use. The invention consists in certain novel features in the construction and operation of the faucet, which will be hereinafter fully shown and described, and finally pointed out in the claim.

Referring to the accompanying drawings, in which similar letters of reference indicate like parts in each of the several figures, Figure 1 is a side elevation of a faucet; Fig. 2, a section of the same; Fig. 3, a plan in detail of a flanged cap; and Fig. 4, an elevation of a key, and a plan showing the aperture therein.

In carrying out my invention I form the valve-cylinder in two parts, *b c*, one of which projects through the spigot *a*, it being supported therein by means of a projecting flange, *b'*, which rests upon a shoulder formed in the aperture through which the said valve-cylinder passes. After the part *b* has been adjusted on its seat in the spigot the portion of the aperture above it is bushed by cork, *c'*, which is thoroughly cemented therein, and then bored out to admit the upper portion, *c*, of the valve-cylinder. The end of said portion *c* tapers, as shown in Fig. 2, which tapering end engages with the lower portion, *b*, forming a water-tight joint therewith, thus allowing both portions *c* and *b* to be turned independently of

one another, thereby rendering it impossible to manipulate the valve from beneath, as will be manifest. The part *c* is provided with a flange, *c'*, which rests upon the cork bushing, and an angular arbor, *e*, to receive the end of a key, *g*, which is provided with a corresponding angular recess or cavity, *g'*, whereby the valve-cylinder is operated, as will be understood. The arbor *e* is covered and protected from manipulation by the fingers by a cap, *d*, which is firmly secured to the spigot by means of screws or other appropriate fastenings. The top of said cap is perforated, as at *f*, Fig. 3, whereby a key may be inserted through said cap to turn the arbor *e*. The perforation in the cap preferably corresponds in shape to the key at *g*, and may be of any peculiar design, so that none but the holder of a key of said peculiar shape may have access to the arbor. The interior chamber of the cap is preferably round, and of sufficient size to allow the key to turn freely therein. The perforation being angular or of irregular shape and the chamber circular, shoulders *i* are formed, which engage with the shoulders *i'* on the key, whereby the latter is prevented from being withdrawn, except when the key and perforation are in correlation or conjunction.

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

In a faucet, the combination, with the spigot *a*, of the part *b*, having the flange *b'* thereon, the bushing *c'*, arranged upon and holding said portion in position, the portion *c*, having means thereon to engage with a key, and the perforated cap *d*, all said parts being arranged and operating substantially as set forth and shown.

In testimony that I claim the foregoing I have hereunto set my hand this 25th day of September, 1882.

JOHN SOMMER, JR.

Witnesses:

OLIVER DRAKE,  
CHARLES H. PELL.