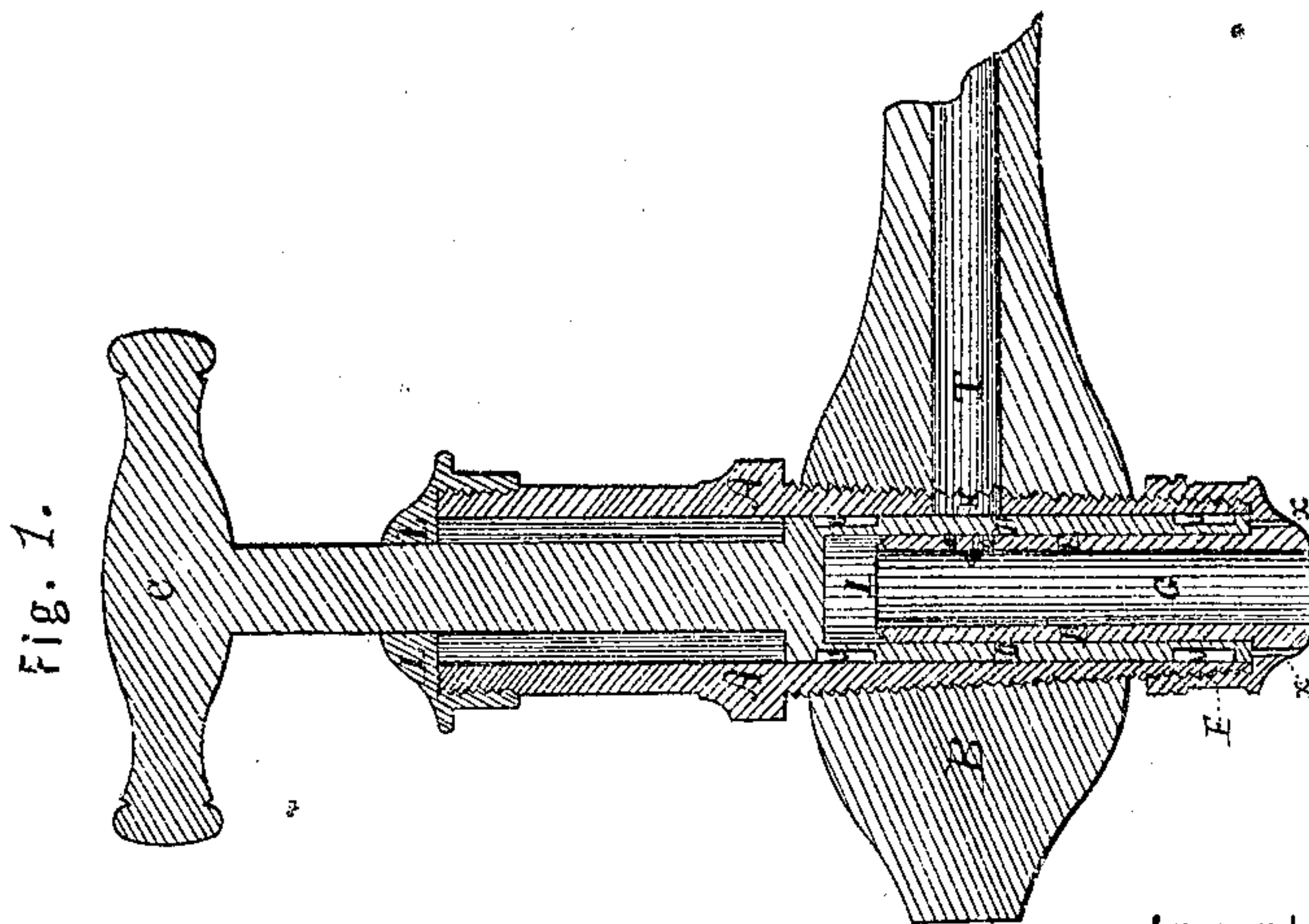
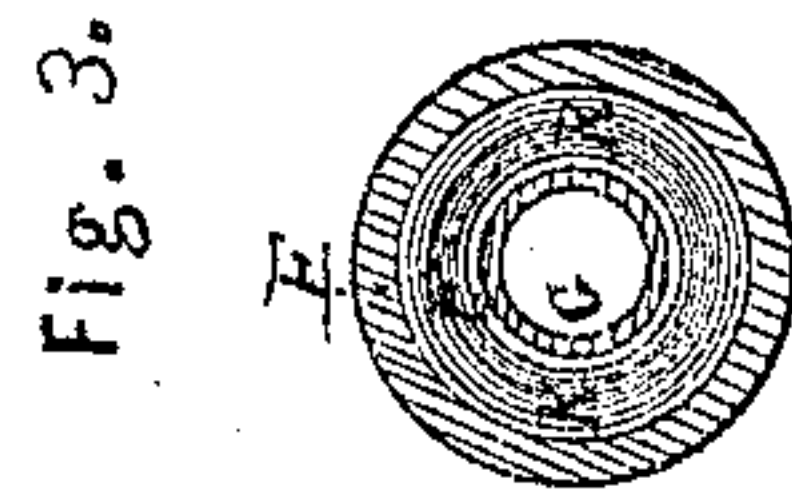
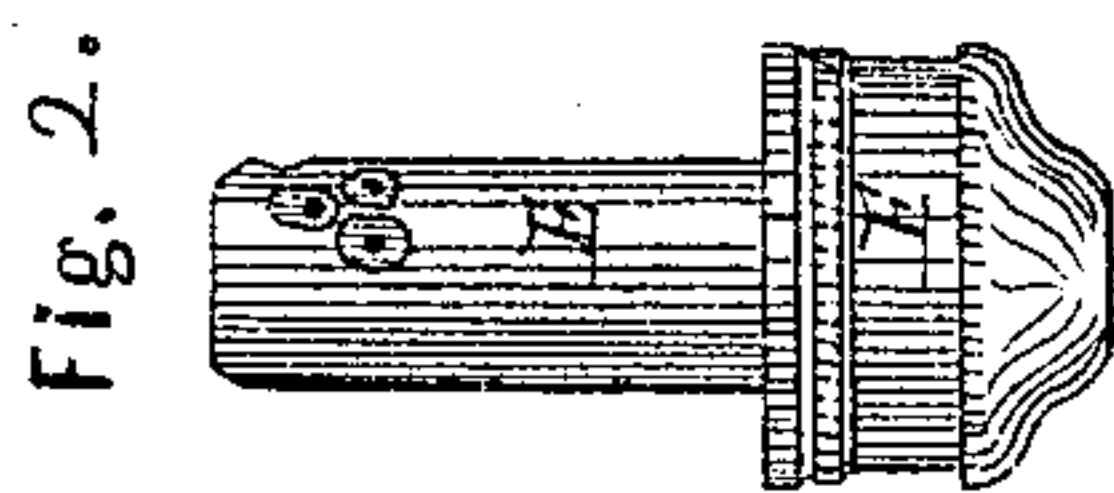
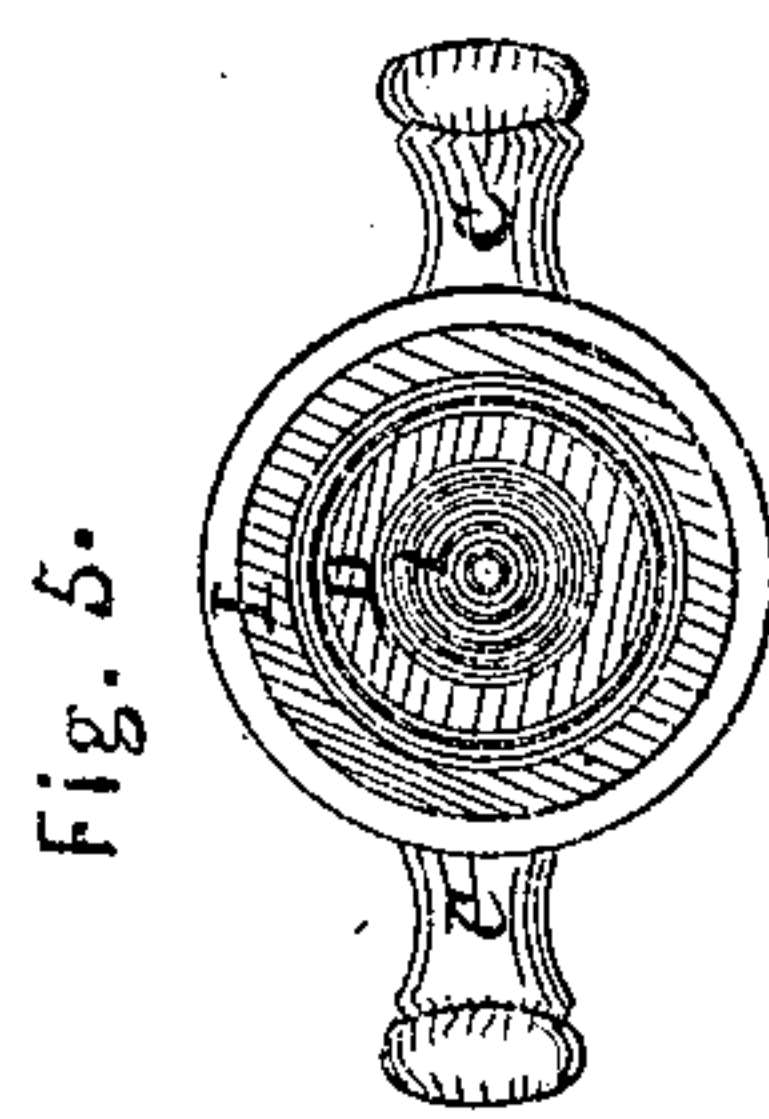
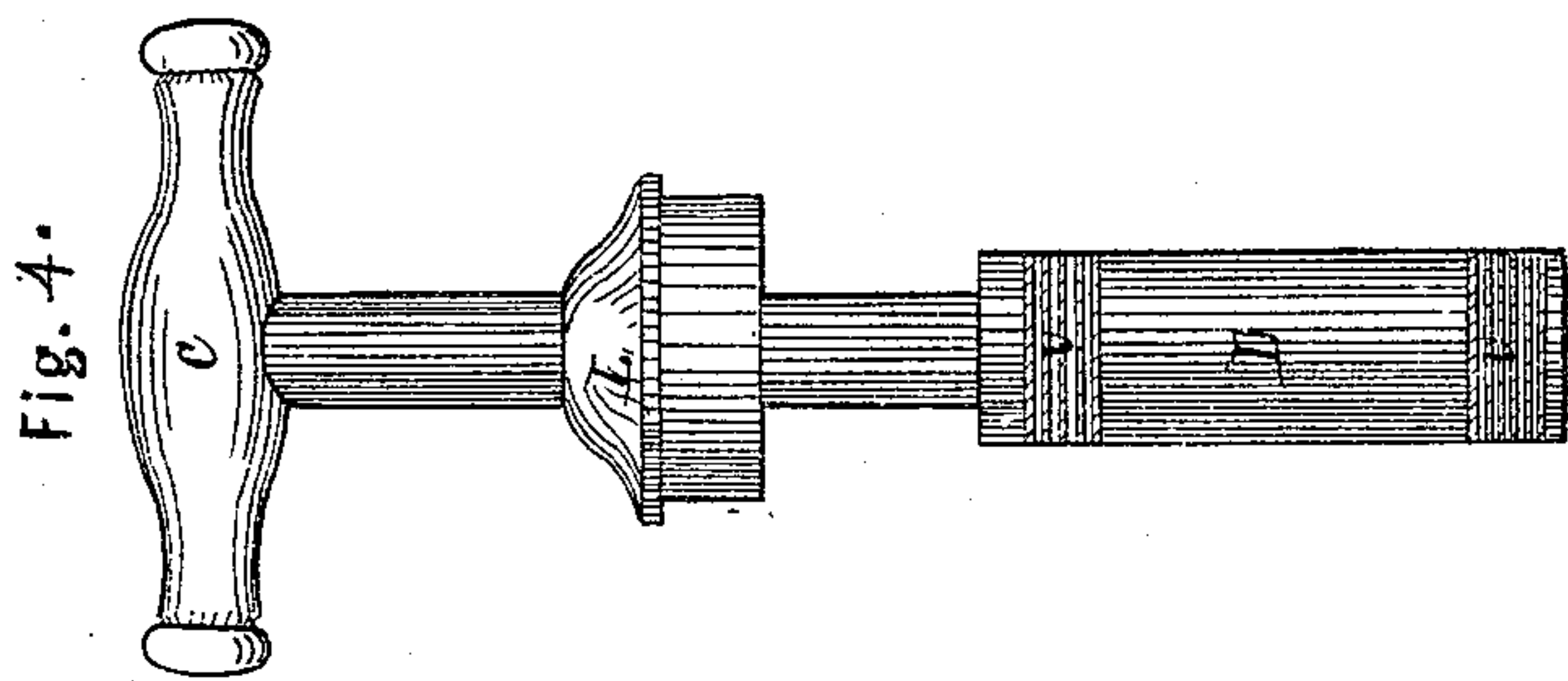
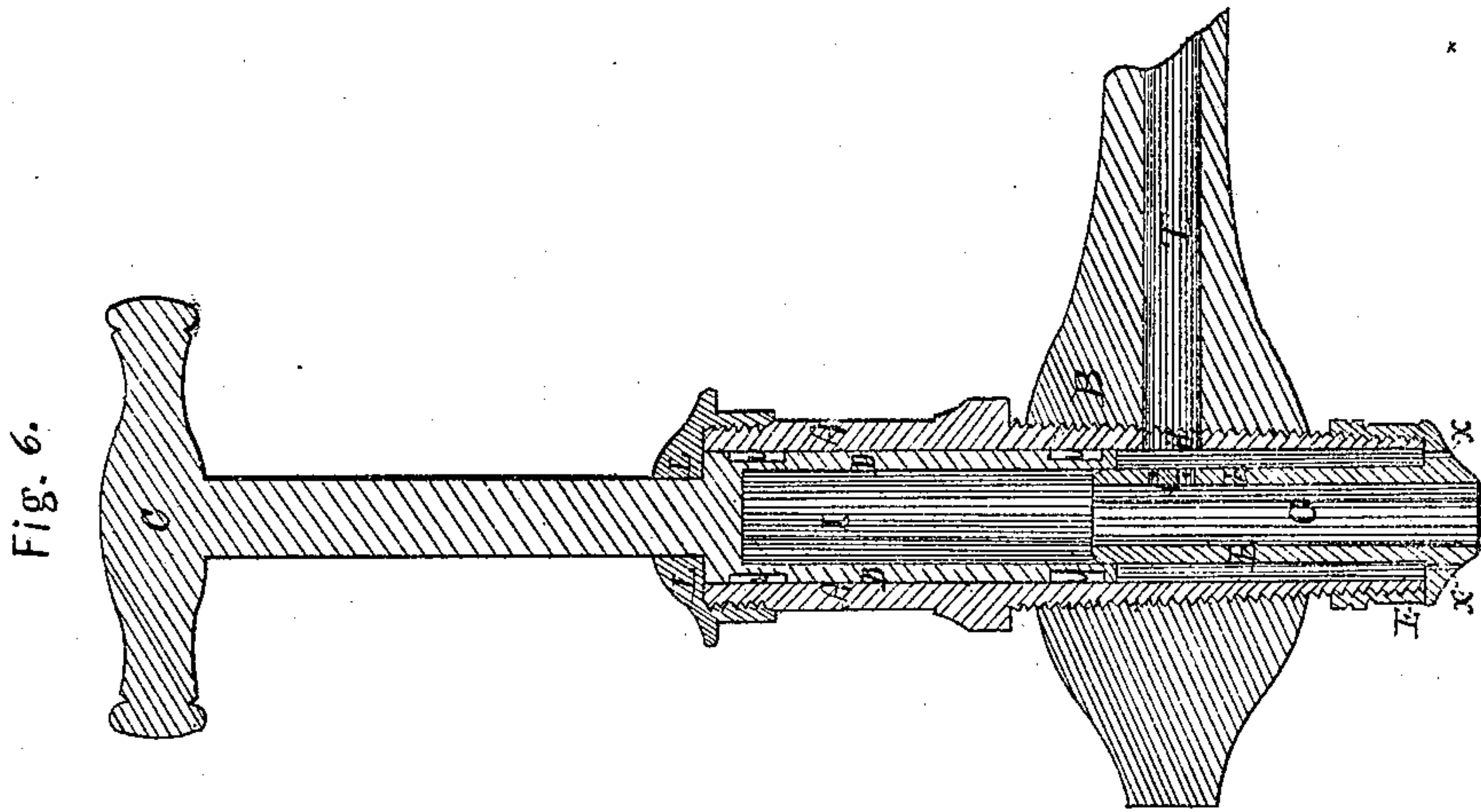


*J. Firmenich*  
*Beer Faucet.*

*Nº 53283.*

*Patented Mar. 20. 1866.*



Witnesses:

*Charles Huetten*  
*Georges. Pottier*

Inventor:

*Jos. Firmenich*



# UNITED STATES PATENT OFFICE.

JOSEPH FIRMENICH, OF BUFFALO, NEW YORK.

## IMPROVEMENT IN BEER-FAUCETS.

Specification forming part of Letters Patent No. 53,283, dated March 20, 1866.

*To all whom it may concern:*

Be it known that I, JOSEPH FIRMENICH, of the city of Buffalo, county of Erie, and State of New York, have invented a new and Improved Faucet; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention relates to an improvement in faucets which renders them simple and cheap in their construction and simple and perfect in their operation.

It consists of a hollow plunger fitting closely over a tube, which extends up from the lower section of the vertical plug or portion of the faucet and fits closely in the plunger at the bottom, the bottom or lower end of the plunger fitting closely on the bottom of the lower section of the vertical portion of the faucet, which renders it tight and impervious.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure I is a longitudinal sectional elevation, showing the plunger down. Fig. II is a side elevation of the lower cap. Fig. III is a top-plan view of same. Fig. IV is a side elevation of the plunger and top cap. Fig. V is an inverted view of the plunger and upper cap. Fig. VI is a longitudinal sectional elevation with the plunger drawn.

B represents the main stem of my improved faucet, which is intended to enter the barrel or cask for the eduction of the contents, and which may be made of either wood or metal of sufficient size to admit the plug A, which is made of hard rubber, brass, or other suitable material, and passes through the main stem or plug at right angles.

D is the plunger, which, if made of brass, may be provided with recesses, into which packing may be introduced, and which fits snugly in the plug A, as seen at Figs. I and VI. The plunger D is made hollow or in the form of a tube, the interior of which fits and works closely over the perforated tube E, the lower end of which is secured to the lower cap, F, which is fitted and secured by means of a screw-thread to the plug A.

L is the upper cap through which the stem

of the plunger D works, and is provided with a suitable handle, C. I is the cavity or inside of the plunger D, and G is the orifice or inside of the tube E. O O are perforations or orifices in the tube E, through which the liquid flows.

The operation consists simply in introducing the main plug or stem at any desired point in the barrel or cask, with the plunger closed down, in which position it will be seen that it is perfectly tight and impervious to any liquid, as the plunger is closed over the orifices H and O O, and the plunger fitting close down on the lower cap, F, and the top of the tube E to the bottom of the cavity of the plunger, thus rendering it perfectly tight and impervious.

When it is designed to draw the contents from the barrel or cask the plunger is raised by means of the handle C, at which time the liquid flows through the tube T in the main plug B and through the orifice H into the vertical plug, from thence through the perforations O O into the tube E, and is educted into a proper receptacle.

X X are orifices made in the lower part of the cap F, so that if any of the liquid remains in the faucet it may be ejected or forced out as the plunger is forced down.

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

1. A faucet having a tube projecting up to an indefinite point within the vertical plug D and fitting the inside of the plunger, the end of said tube fitting the bottom of the plunger when closed to prevent leaking, substantially for the purposes herein described.

2. The hollow plunger D, when made so the lower end when closed will fit the lower cap, F, the tube E at the same time fitting the bottom of the cavity of the plunger D, for the purposes and substantially as herein set forth.

3. The main plug B, the vertical plug A, in combination with the plunger D and tube E, all for the purposes and substantially as herein shown and described.

JOS. FIRMENICH.

Witnesses:

CHARLES HUETTER,  
GEORGE S. POTTER.