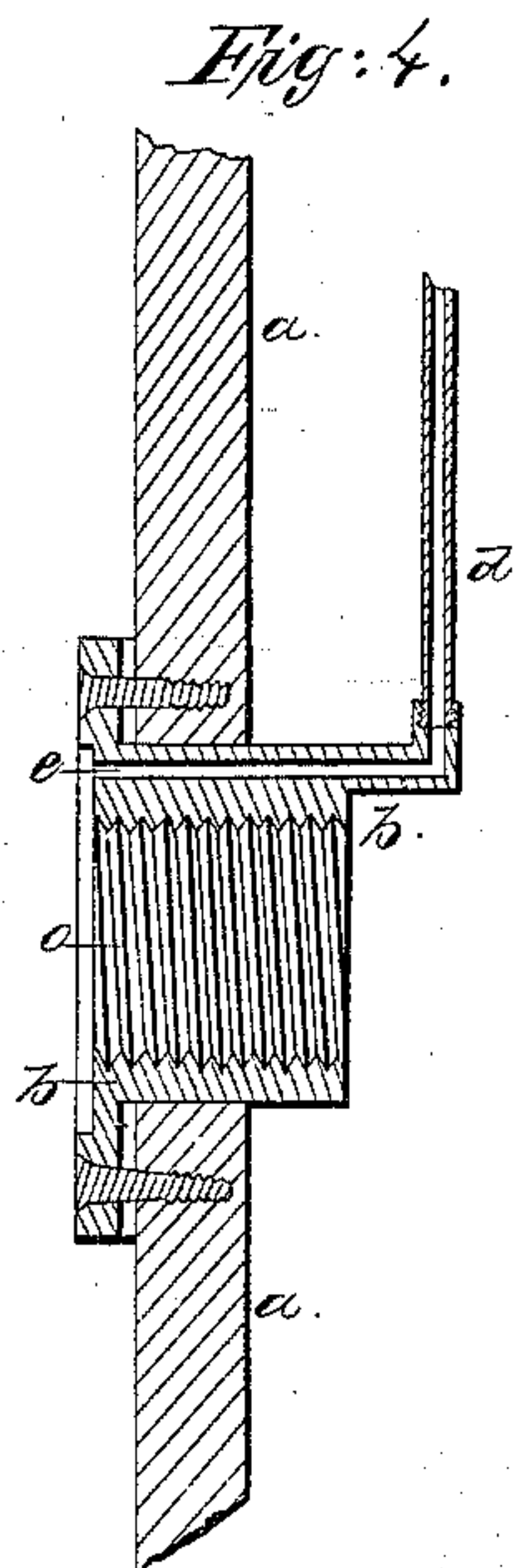
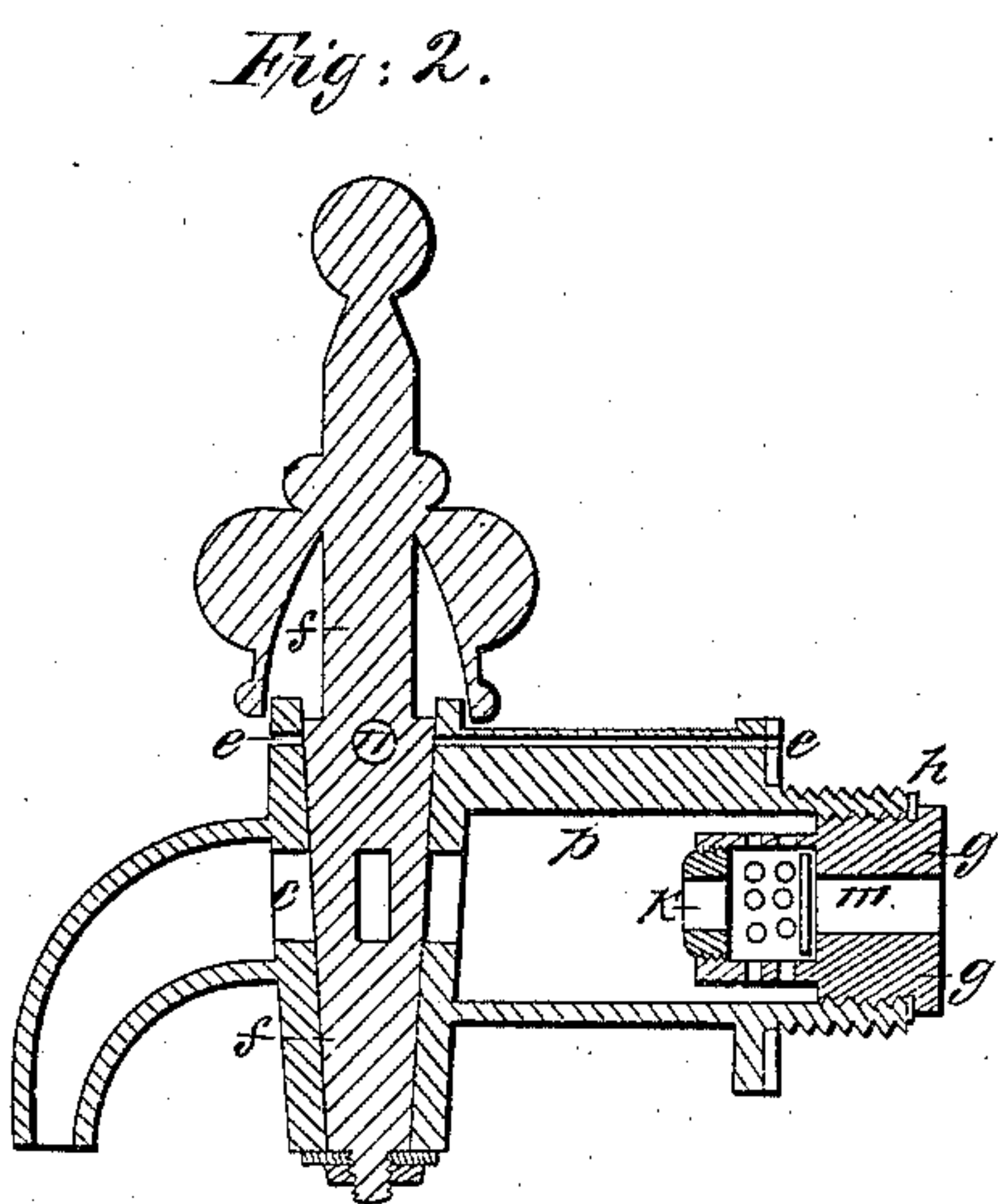
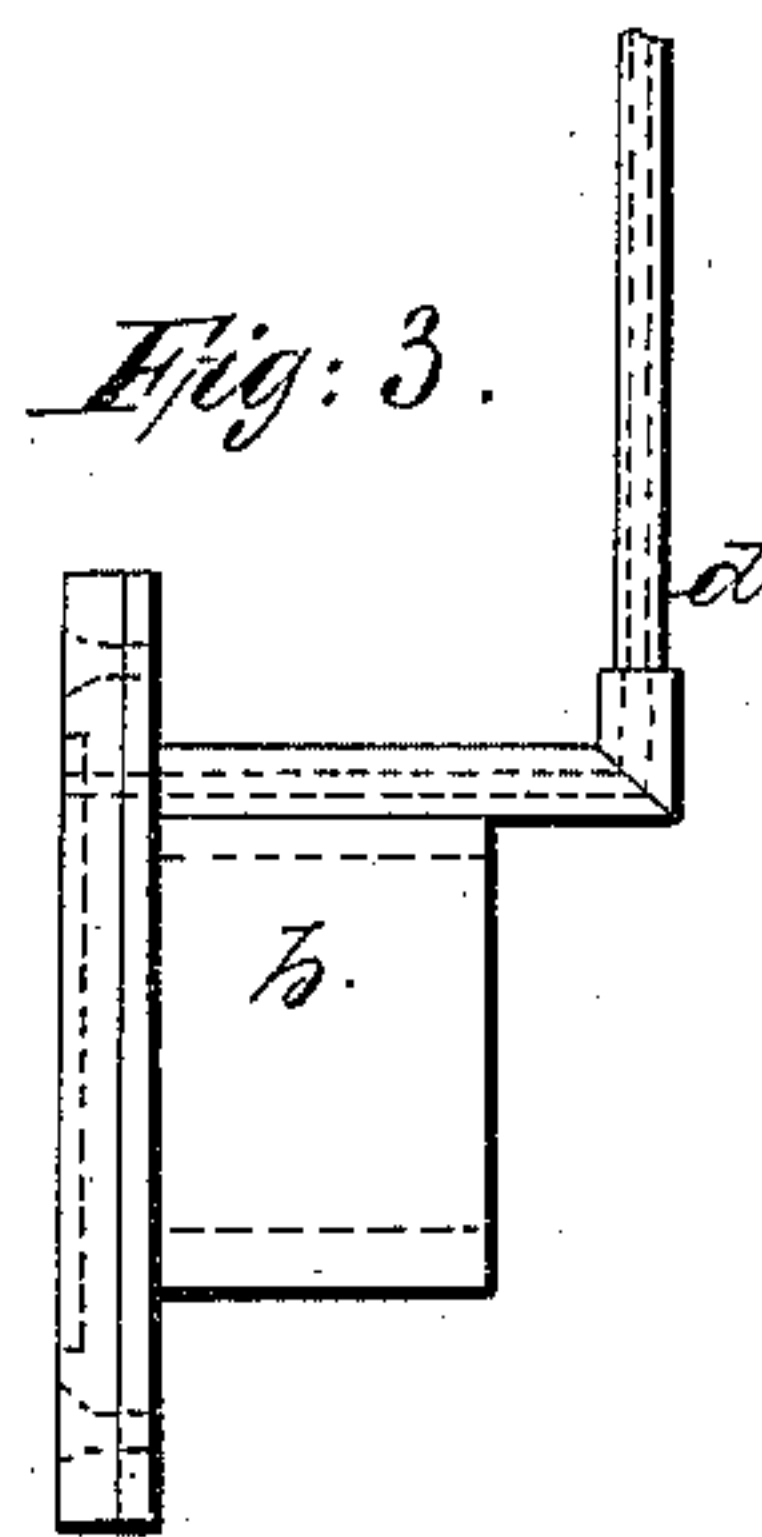
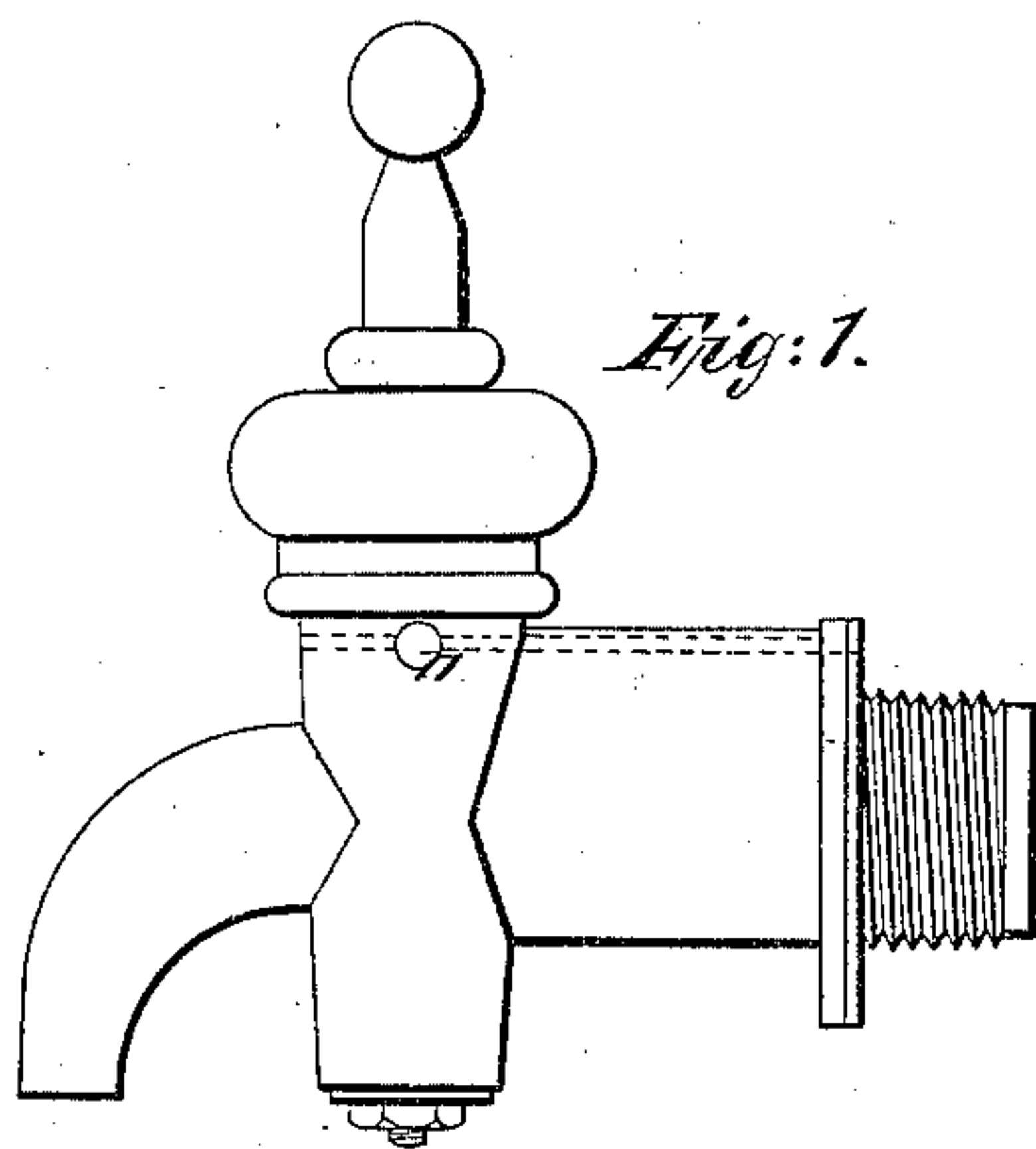


*E. Candler,*

*Faucet.*

*N<sup>o</sup> 58,356.*

*Patented Sep. 25, 1866.*



*Witnesses:*

*W A Gubw*  
*Ed Reppm*

*Inventor:*  
*E Candler*

# UNITED STATES PATENT OFFICE.

EUGENE CANDLER, OF LONDON, ENGLAND.

## IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. 58,356, dated September 25, 1866.

*To all whom it may concern:*

Be it known that I, EUGENE CANDLER, of London, in the county of Middlesex, England, wine merchant, have invented certain improvements in vessels for containing, and taps or cocks for drawing off, wines and other liquids; and I do hereby declare that the following is a full, clear, and exact description of the principle or character which distinguishes it from all other things before known, and of the usual manner of making, modifying, and using the same.

The object of this invention is to prevent the adulteration of wine and other liquids while in draft. For this purpose the cask, tank, or other containing-vessel is formed without shive, bung, or vent-hole, the only opening being that for the reception of a tap constructed in the following manner: This tap has an outlet-orifice for the wine or other liquid, and an inlet-orifice for air, both of which are opened or closed simultaneously by turning the plug of the tap. At the inner end of the tap, which is screwed or otherwise fixed into a boss fixed to the cask or tank, there is a valve which permits the wine or other liquid to flow out freely when the tap is opened; but if an attempt be made to introduce any liquid through the tap, the valve closes the passage and prevents its entrance.

I will now proceed to describe my invention by reference to the annexed drawings.

Referring to the drawings, Figure 1 is a side elevation, and Fig. 2 a section, of my improved cock or tap; Fig. 3, side elevation, and Fig. 4 section, of the box fixed on the cask or other vessel for receiving the improved tap.

The same letters of reference are used to represent parts which are similar.

The cask, tank, or other containing-vessel, *a*, has no opening but the one required for the reception of the boss *b*, which is screwed to the cask, as shown. Into the socket *o* of this boss is screwed or otherwise fixed the improved cock or tap. This tap has an outlet-orifice, *c*, for the liquid, as usual, and the air is admitted into the cask through the hole or tube *e*, passing through the tap and boss, and continued by the tube *d* nearly to the top of the cask or other containing-vessel.

The opening *e* for the air and outlet *c* for the liquid are opened or closed simultaneously by turning the plug *f* of the tap.

In the inner end of the tap is screwed a small cylinder, *g*, made water-tight by a washer or packing, *h*. In this cylinder, which is perforated on its circumference, as shown, is placed a valve, *i*, kept in the cylinder by the screw-nut *k*. This valve may be made of wood, leather, india-rubber, or other suitable material.

If the boss *b* with the air tube *d* be fixed to a cask or other vessel, and the tap screwed or otherwise fixed therein and turned on, the liquid will pass from the cask into the end of the cylinder, and, pressing the valve *i* against the nut *k*, will pass through the perforations of the cylinder *g*, and out by the orifice of the tap.

If, however, it be attempted to introduce any liquid into the cask through the tap, the liquid will pass into the tap, and through the opening of the nut *k*, when it will press the valve *i* over the opening *m* of the cylinder *g*, thus effectually closing the entrance to the cask.

When the tap is turned off, it can be locked by passing a padlock through the hole *n*, made through the tap and plug.

A small strainer can, if desired, be fixed in the inner end of the boss *b*, or be made to fit loosely in the socket *o*, so as to be taken out with the tap when the cask or other vessel requires filling.

To prevent the tap being removed from the cask, a seal or lock may be employed in the usual manner.

Having thus described the nature of my invention, I wish it to be understood that what I claim is—

The tap as above described, having the body *p*, plug *f*, air-inlet *e*, valve *i*, and valve-seat *g*, all arranged substantially as and for the purpose set forth.

In witness whereof I have hereto set my hand this 29th day of March, 1866.

E. CANDLER.

Witnesses:

W. A. GILBEE,  
G. T. REDFERN.