

(No Model.)

M. SINGER.

BEER FAUCET.

No. 328,529.

Patented Oct. 20, 1885.

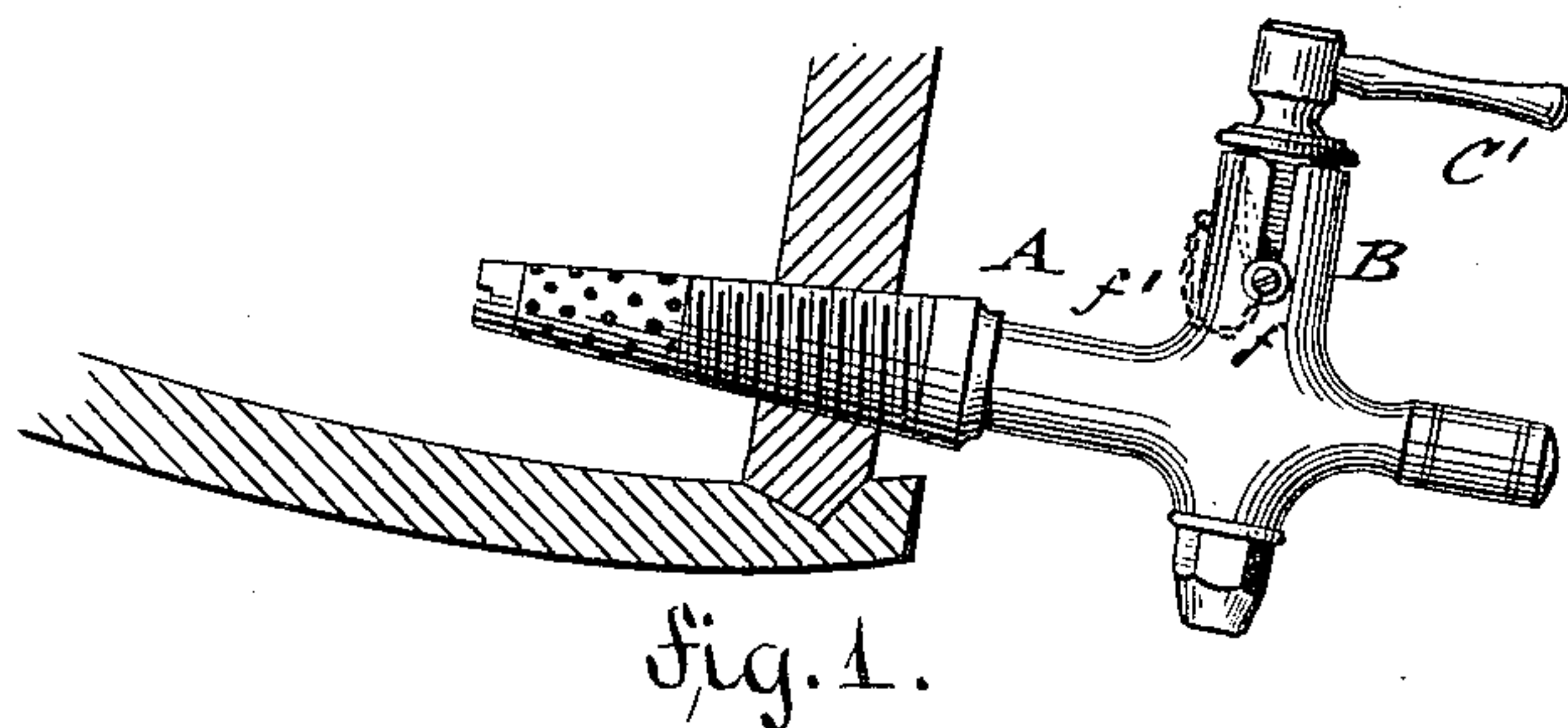


fig. 1.

fig. 2.

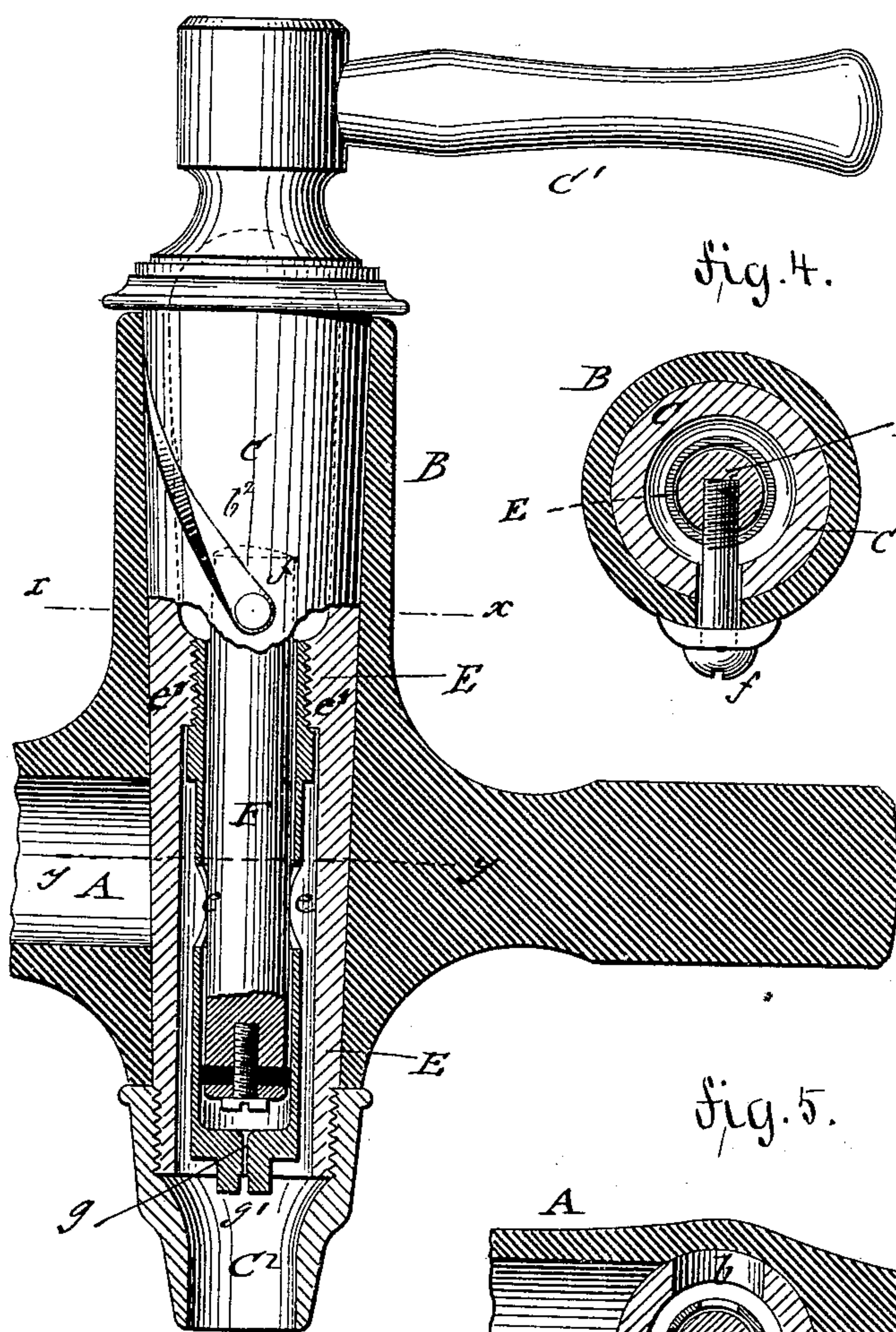


fig. 4.

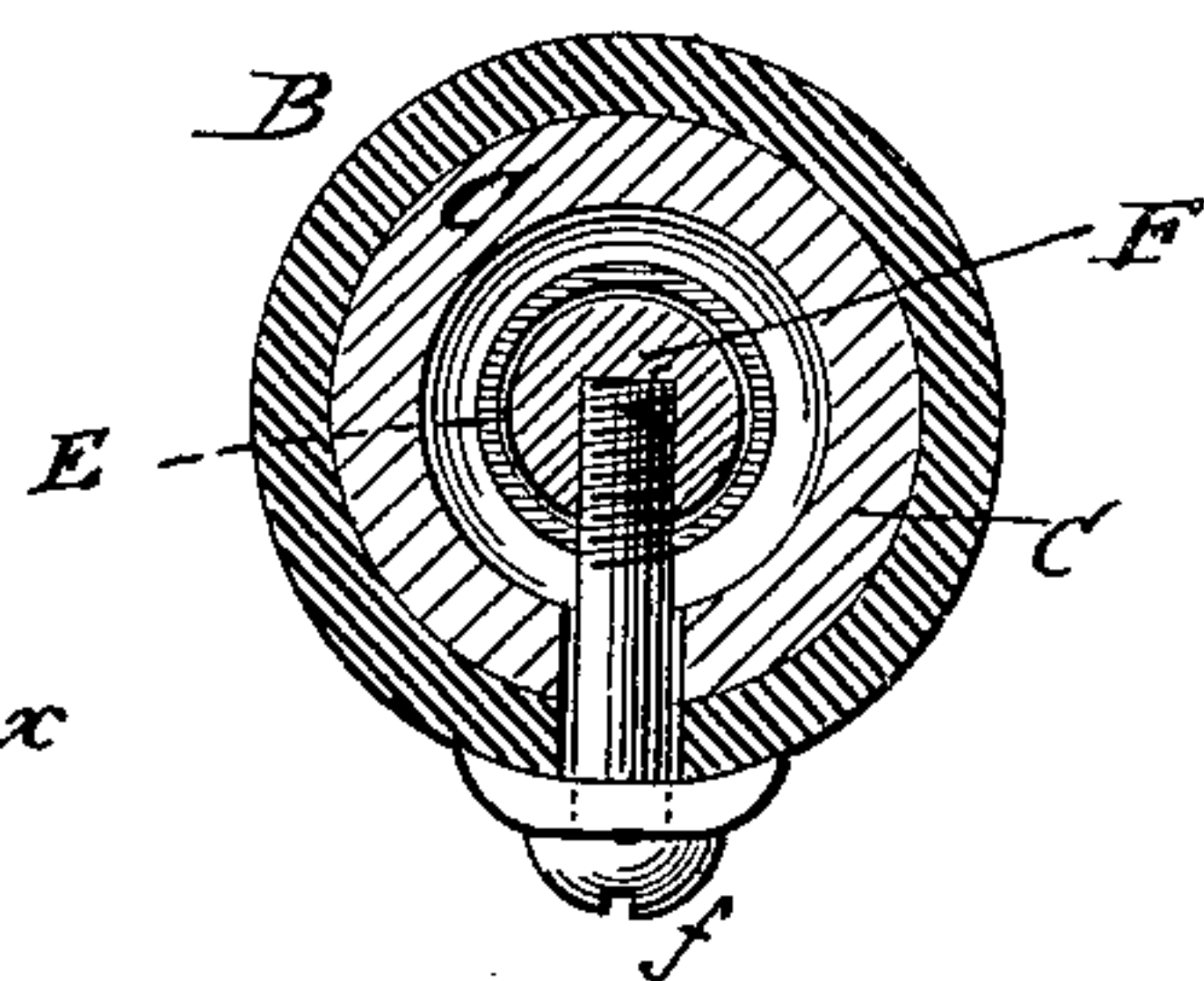


fig. 3.

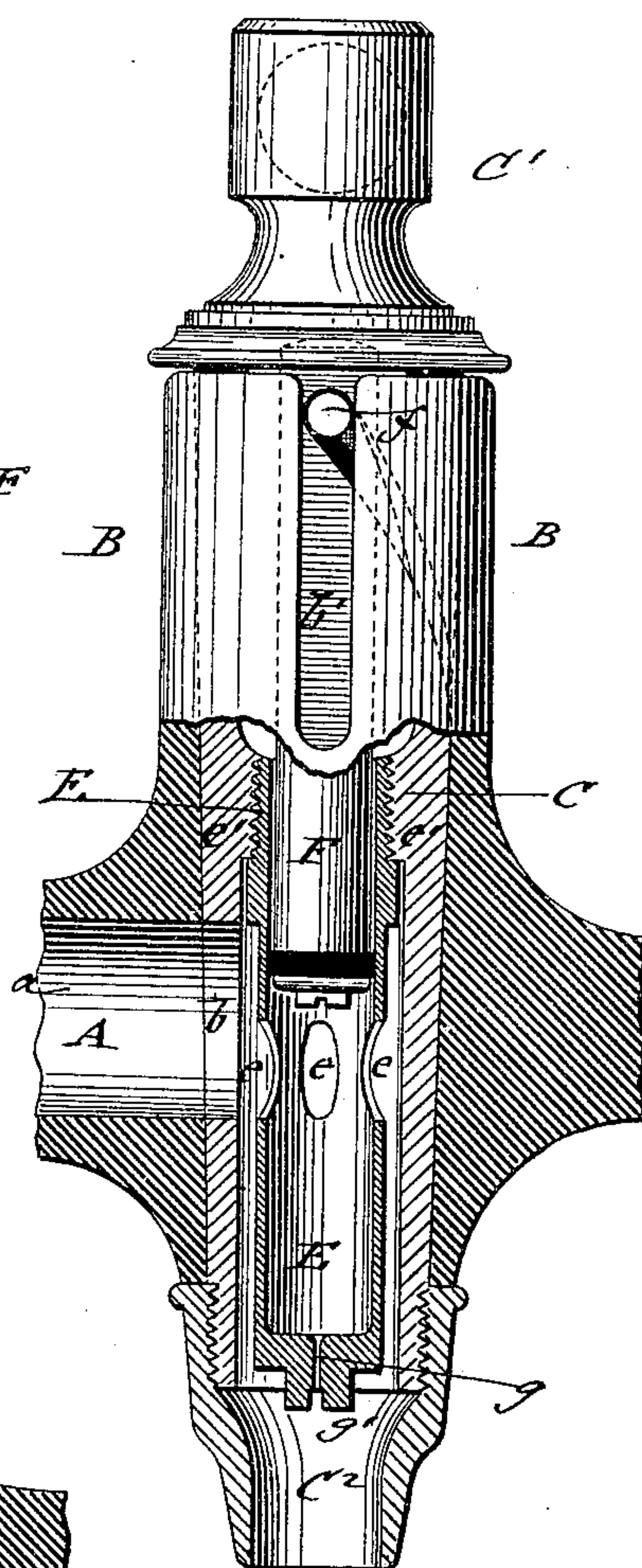
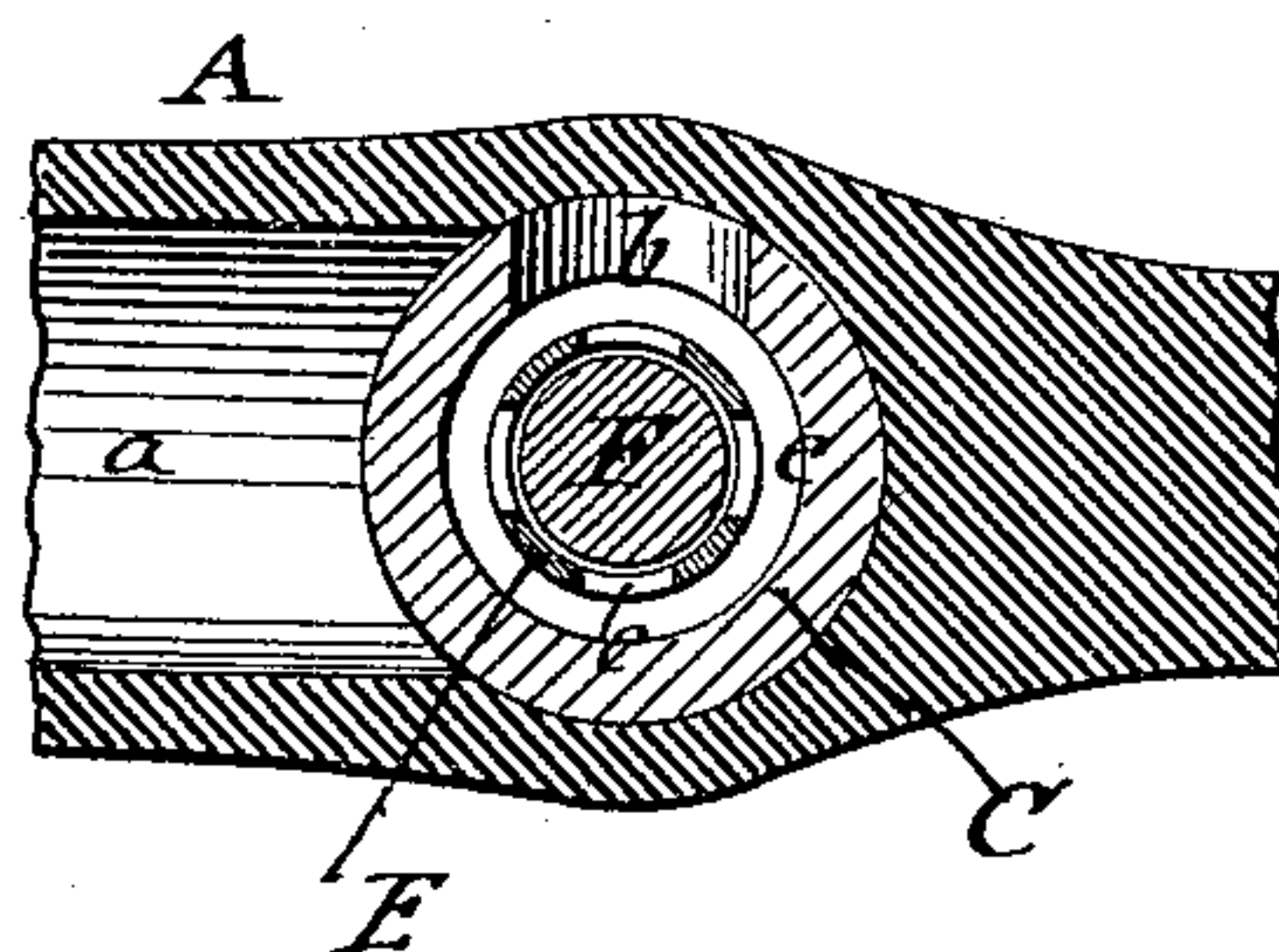


fig. 5.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

MARKUS SINGER, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND SAMUEL MASCHKE, OF SAME PLACE.

## BEER-FAUCET.

SPECIFICATION forming part of Letters Patent No. 328,529, dated October 20, 1885.

Application filed October 22, 1884. Serial No. 146,141. (No model.)

*To all whom it may concern:*

Be it known that I, MARKUS SINGER, of the city, county, and State of New York, have invented certain new and useful Improvements in Beer-Faucets, of which the following is a specification.

This invention has reference to an improved faucet of that class provided with a foaming attachment, by which a so-called "cap of foam" can be given to the beer or other fermented liquor after the same has been drawn from the keg into the glass.

In the accompanying drawings, Figure 1 represents a side elevation of my improved beer-faucet; Figs. 2 and 3 are vertical longitudinal sections of the same, showing it, respectively, in closed and open position; and Figs. 4 and 5 are horizontal sections of the same on lines  $x x$  and  $y y$ , Fig. 2.

Similar letters of reference indicate corresponding parts.

A in the drawings represents the barrel of my improved faucet, which is provided with an upwardly-extending bushing, B, that forms the guide for the conically-tapering hollow plug C, having a handle, C', at its upper end. The plug C is retained in position in the bushing B by a discharge-spout, C<sup>2</sup>, which is screwed over the lower threaded end of the plug C.

At the interior of the hollow-plug C is located a fixed guide-cylinder, E, that is provided with side openings,  $e e$ , in line, or nearly so, with the openings  $b$  of the plug C and the supply-channel  $a$  of the faucet-barrel A. The cylinder E is rigidly held in position by being screwed up against a collar or seat,  $e'$ , at the interior of the plug C, as shown clearly in Figs. 2 and 3.

At the interior of the cylinder C is guided a plunger, F, the lower end of which has a suitable packing, while the upper end is engaged by a detachable screw-pin,  $f$ , which is inserted through a vertical guide-slot,  $b'$ , of the bushing B and a spiral slot,  $b''$ , of the plug into the plunger F. When the screw-pin  $f$  is placed in position, and the handle C' of the plug C is turned in one or the other direction,

the pin  $f$  and plunger F are raised or lowered by the action of the spiral slot and the axial motion of the plug on the pin  $f$ . When the plug C is turned into open position, as shown in Fig. 3, the plunger F is raised above the side openings,  $e$ , of the cylinder E, so as to permit the passage of the liquor into the cylinder E and around the same to the discharge-spout C<sup>2</sup>.

The bottom of the guide-cylinder E is provided with a small ejection-orifice,  $g$ , that terminates in a diametrical nick,  $g'$ , as shown in detail in Figs. 2 and 3. The nick  $g'$  has the object of laterally spreading the jet of liquor discharged through the ejection-orifice.

When the faucet is closed, by turning the handle of the plug C into the position shown in Fig. 2 the plunger F is lowered by the axial motion of the plug C simultaneously with the closing of the faucet, whereby the liquid contained in the guide-cylinder E is quickly ejected through the orifice  $e$  into the glass just filled, so that the contents of the same are agitated and produce a so-called cap of foam on the same. The foaming attachment, formed by the plunger and cylinder, is actuated in connection with the opening and closing of the plug, which is the essential feature of my invention, as thereby the discharge of the liquid from the cylinder and the extra foaming is produced by one and the same operation of the plug, and without extra effort and loss of time, which was the case in the faucets with foaming attachments heretofore in use. When the faucet is to be used without the foaming attachment the screw-pin  $f$  is detached and the faucet used in the ordinary manner, the foaming attachment being then not brought into operation.

The screw-pin  $f$  is attached to the bushing B of the faucet by a small chain,  $f'$ , (shown in Fig. 1,) so as to prevent the loss of the same.

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

The combination of the faucet, an upwardly-extending guide-bushing having a vertical guide-slot, a conically-tapering plug hav-

ing a spiral guide-slot in said bushing, a fixed  
interior cylinder having side openings and a  
bottom ejection-orifice, an interior plunger,  
and a detachable screw-pin inserted through  
5 the guide-slots of the bushing and plug and  
connected to the upper end of said plunger,  
substantially as set forth.

In testimony that I claim the foregoing as  
my invention I have signed my name in pres-  
ence of two subscribing witnesses.

MARKUS SINGER.

Witnesses:

PAUL GOEPEL,  
SIDNEY MANN.