

O. H. LARSON.
Beer-Faucet.

No. 197,556.

Patented Nov. 27, 1877.

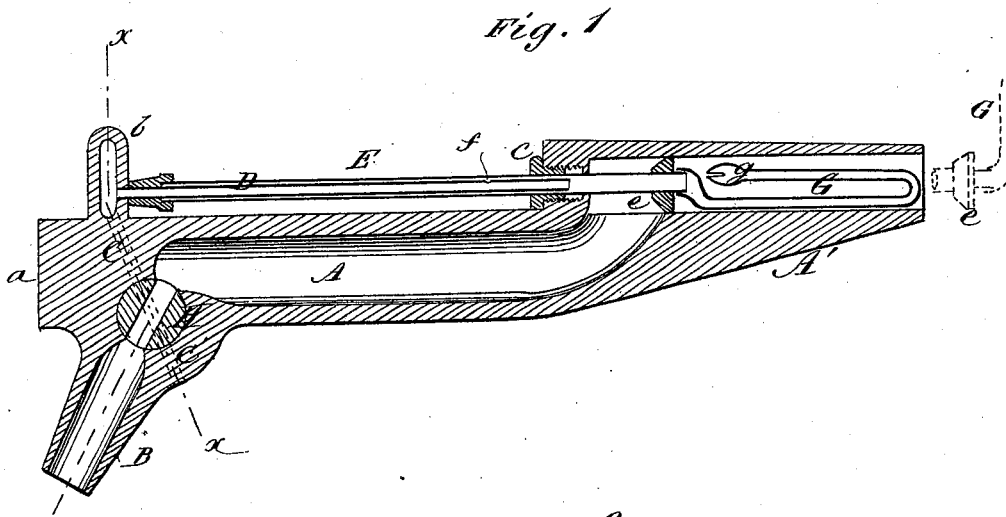
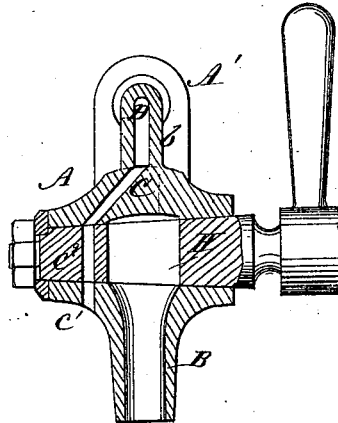


Fig. 2



WITNESSES:

C. Novell
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

OLE H. LARSON, OF FORT DODGE, IOWA.

IMPROVEMENT IN BEER-FAUCETS.

Specification forming part of Letters Patent No. 197,556, dated November 27, 1877; application filed October 6, 1877.

To all whom it may concern:

Be it known that I, OLE H. LARSON, of Fort Dodge, in the county of Webster and State of Iowa, have invented a new and Improved Beer-Faucet, of which the following is a specification:

This invention relates to that class of faucets which are commonly known as "ventilating beer-faucets," that admit air into the kegs when the plugs are turned to draw the liquid.

The nature of my invention and improvement consists in combining, with the barrel and shank of the faucet, an air-tube, which is provided with a well-packed tubular slide, having a flexible floating tube fixed to its inner end, the bulb of which latter will be on the surface of the fluid, and admit air into the keg during the act of drawing the fluid, as will be hereinafter explained.

In the annexed drawings, Figure 1 is a section taken longitudinally through the improved faucet; and Fig. 2 is a section taken in the course indicated by dotted line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The letter A designates the body or barrel of the faucet, which terminates at one end in an inclined nozzle, B, and at the other end in a tapered enlargement, A', through which is a straight bore. Above the anvil *a* is a tube, *b*, which communicates with openings *c c'*, and also with the bore of the enlargement A', by means of a closely-fitted tube, D. This tube D enters the butt of the enlargement A, and receives around it a sliding tube, E, which is packed air-tight by means of a box, *e*, that is tapped into the butt of said enlargement. (Shown clearly in Fig. 1.)

The tube E is longitudinally movable on the tube D, and it is provided with a plunger, *e*, and also with a flexible tube, G, having a split

bulb, *g*, on one end, which will float on the surface of the fluid in the keg, and conduct air to the space above the fluid when the cock is open.

The plunger *e* operates to eject the flexible tube G after the faucet has been driven into the tap-hole of the keg. When the tube G has been expelled from the stock of the faucet the plunger *e* will extend beyond the inner end of the faucet, and not offer any obstruction to the outflow of liquid when the plug H is turned for the purpose of drawing off the liquid.

I may perforate the tube D at *f*, so that when the tube D is fully forced out this aperture *f* will allow the air to enter the faucet from the ice-box.

It will be observed that when the faucet-plug is opened the passages *c c'* will all register with each other, and allow air to freely enter the keg while the liquid is being drawn therefrom. By reference to Fig. 2 it will be observed that the holes *c c'* are made through the neck of the faucet, and that the hole *c''* is made through the plug H, on which is applied a handle and a check-pin. When the plug is shut the air-vent is shut, and when the plug is open the air-vent is open.

By slightly modifying the form of the faucet, and changing the arrangement of the vent-tubes, a vertical plug may be employed, instead of a horizontal one.

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

The combination, in a faucet, with the fixed tubes *b* D and the flexible tube G, having end float, of the sliding plunger-tube E *e*, arranged and operating as and for the purpose specified.

OLE H. LARSON.

Witnesses:

P. W. CHAUTLAND,
A. HUR.