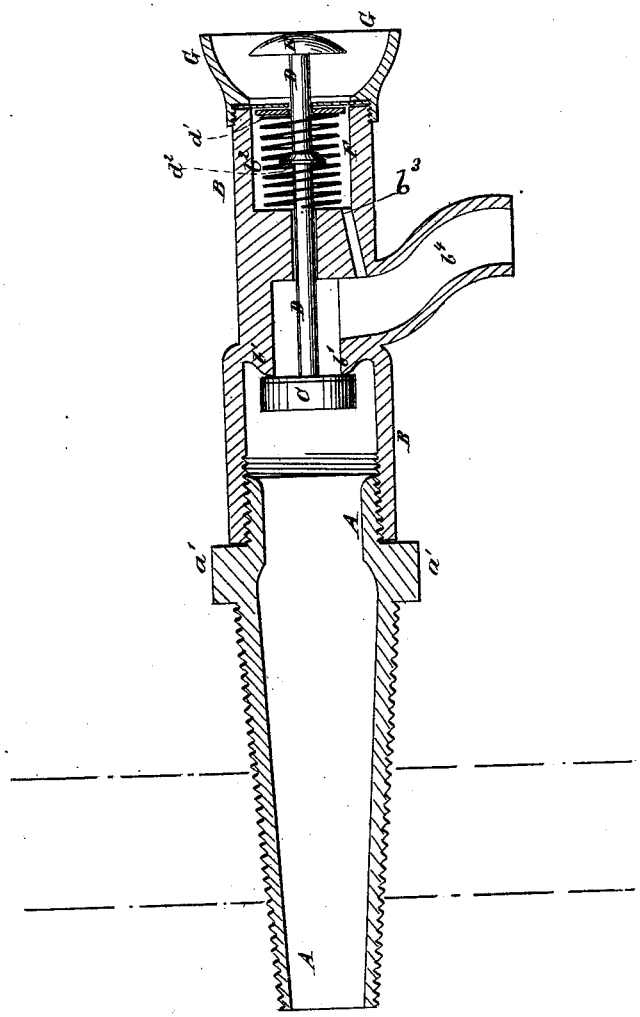
W. S. LEMPERT.

FAUCETS.

No. 195,292. Patented Sept. 18, 1877.



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WILLIAM S. LEMPERT, OF FORT DAVIS, TEXAS.

IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. **195,292**, dated September 18, 1877; application filed July 30, 1877.

To all whom it may concern:

Be it known that I, WILLIAM STEPHEN LEMPERT, of Fort Davis, in the county of Presidio and State of Texas, have invented a new and useful Improvement in Faucets, of which the following is a specification:

The figure is a longitudinal section of my improved faucet.

The object of this invention is to furnish an improved faucet, which shall be so constructed that it will not be liable to be injured by being screwed into and out of the cask, which will not be liable to leak, which will have the button of the valve-stem protected from accidental injury, and shall be simple in construction and easily operated.

The invention consists in the combination of the inner part provided with the square or octagonal flange, the outer part provided with the valve-seat, the spring-chamber, the channel, and the nozzle, the cup or flange, the valve, valve-stem, and button, and the spiral spring, with each other, as hereinafter fully described.

A is the part of the faucet that is screwed into the cask, which is tapered, and has a screw-thread cut upon its outer surface.

Upon the part A, near its outer end, is formed a flange, a', which is made of a square or octagon shape to adapt it to receive a wrench for screwing it in and out. Upon the outer surface of the outer end of the part A is formed a screw-thread, to screw into a screw-thread in the inner surface of the inner end of the part B of the faucet. In the middle part of the part B is formed a shoulder, b^1, to serve as a seat for the valve C, the stem D of which passes out through a hole in the outer end of the part B, and has a button, E, attached to its outer end, for convenience in operating it. In the outer end of the part B is formed a channel, b^2, to receive the spiral spring F, the inner end of which rests against the bottom of said chamber, and its outer end rests against a collar, d^1, attached to the valve-stem D.

With this construction, by pressing inward upon the button E the valve C will be raised from its seat, allowing the liquid to flow out throw the nozzle b^4.

Upon the valve-stem D is formed a shoulder or collar, d^2, to rest against the bottom of the spring-chamber b^2, when the valve C is raised from its seat, to prevent any liquid from escaping around the valve-stem D. In case any liquid should escape into the spring-chamber b^2 it will flow through the channel b^3 into the nozzle b^4, and thus flow out.

Upon the outer end of the part B is screwed a flange or cup, G, to surround the button E and protect it from accidental injury.

The valve-stem D passes through a guide-hole in the bottom of the cup G, or in a plate clamped between the edge of the part B and a shoulder of the cup G.

The end of the faucet which enters the cask should be covered with wire-netting or some perforated material, to prevent the entrance of any particles of coal, wood, cork, or other substance which may be in the cask into the faucet, and obstructing the free action of valve.

The valve C should screw onto the valve-stem D, in order that it may be taken off at any time and another substituted by unscrewing parts A and B.

Spiral spring F should be of sufficient strength to insure close fitting of valve and seat.

This faucet can never be left open by carelessness, accident, or manipulations of children, as the moment the pressure is taken from the button it closes itself securely.

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

The combination of the inner part A, provided with the square or octagonal flange a', the outer part B, provided with the valve-seat b^1, the spring-chamber b^2, the channel b^3, and the nozzle b^4, the cup or flange G, the valve, valve-stem, and button, C D E, and the spiral spring F, with each other, substantially as herein shown and described.

WILLIAM STEPHEN LEMPERT.

Witnesses:

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