

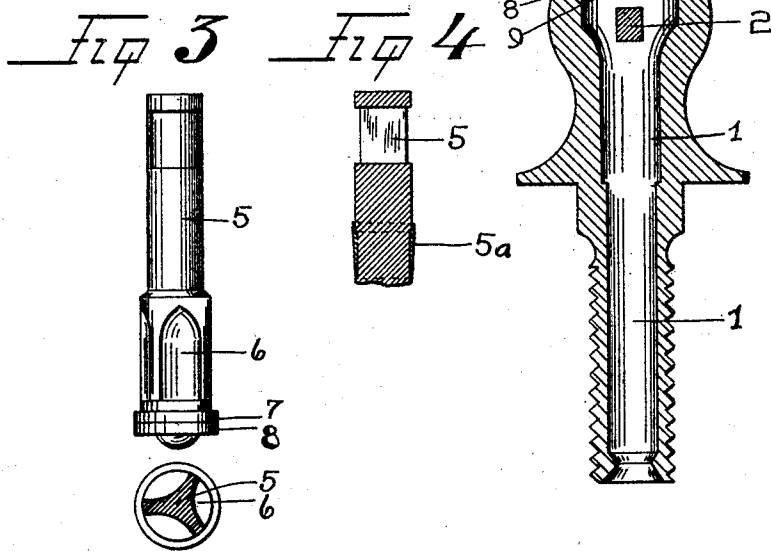
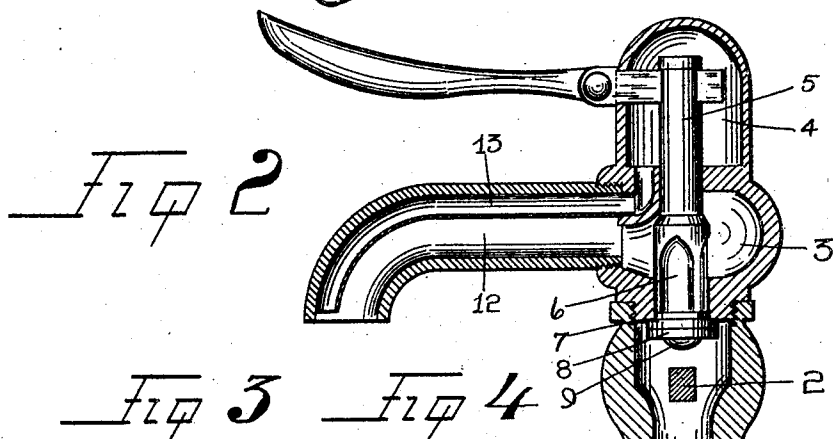
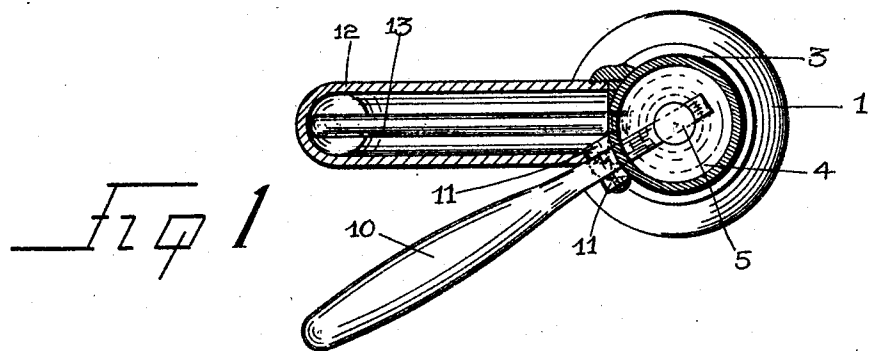
No. 796,674.

PATENTED AUG. 8, 1905.

E. A. RIDER.

FAUCET.

APPLICATION FILED AUG. 9, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWIN A. RIDER, OF STOCKTON, CALIFORNIA.

FAUCET.

No. 796,674.

Specification of Letters Patent.

Patented Aug. 8, 1905.

Application filed August 9, 1904. Serial No. 220,055.

To all whom it may concern:

Be it known that I, EDWIN A. RIDER, a citizen of the United States, residing at Stockton, in the county of San Joaquin, State of California, have invented certain new and useful Improvements in Faucets; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in faucets, and my object is to produce a faucet which will be automatically closed by the water or other pressure, thus doing away with the spring mechanisms now in use. This object I accomplish by the peculiar construction and relative arrangement of parts herein fully shown, and particularly pointed out in the annexed claim.

This specification is an exact description of one example of my invention, while the claim defines the actual scope thereof.

Reference is to be had to the accompanying drawings, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a top plan view, partly in section, of my improved device. Fig. 2 is a longitudinal sectional view of the faucet. Fig. 3 is a side elevation of a plunger. Fig. 4 is a sectional view of a portion of a plunger.

1 designates a hollow body portion of the faucet, and 2 is a cross-piece therein for the purpose hereinafter specified.

3 is a discharging-chamber, which is connected to the body 2 by a suitable opening, and 4 is an overflow-dome having a suitable opening into said discharging-chamber.

5 is a plunger extending from the dome 4 down into the body 1 through the aforesaid openings. In the sides of said plunger near the lower end are three or more grooves or slots 6, which slots extend a trifle upward beyond the opening between the chamber 3 and the body 1. On the bottom of said plunger is a rubber or leather washer 7 and a metal washer 8, held in position by a screw 9. 5^a is a rubber washer, which may be placed around the stem 5 when the same becomes worn from contact with the wall between the dome 4 and

the chamber 3. 10 is a handle secured to the top of said plunger, which handle extends out through the walls of the dome 4 and is pivoted between two lugs 11.

12 is a discharging-nozzle leading from the discharging-chamber 3. Inside said discharging-nozzle is a smaller discharging-nozzle 13, which leads from the overflow-dome 4 and has its discharging end a trifle back from the discharging end of the nozzle 12.

The operation is as follows: When the faucet is closed, the washer 7 is held snugly up against the wall between the chamber 3 and the body 1 and covering the opening between said chambers. When it is desired to turn on the water, the operator grasps the handle 10 and pulls it upward. This presses the plunger 5 downward and releases the washer 7, and the water flows up through the slots 6 into the chamber 3 and out the nozzle 12. When sufficient water is drawn off, the handle 10 is dropped and the weight of said handle pulls and the water in the body 1 pushes the plunger 5 upward until the washer 7 again closes the opening into the chamber 3. Any water that might overflow around the plunger 5 into the dome 4 will run out through the nozzle 13.

In practice the plunger may be made smaller and without the slots 6, and small vents may be bored in the wall between the chamber 3 and the body 1, which vents will take the place of said slots.

Various changes in the form and details of my invention may be resorted to at will without departing from the spirit thereof. Hence I consider myself entitled to all forms of the invention as may lie within the intent of my claim.

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

A faucet comprising a body portion, a casing screwing into said body portion and having a discharge-chamber and a dome above said discharge-chamber, an outlet-pipe leading from said discharge-chamber, said discharge-chamber and the dome having a port formed in the partition therebetween, a nozzle connected to said port, a valve seating against the bottom of the said casing and having a stem extending through the discharge-chamber and into said dome and a handle pivoted to the dome intermediate of its ends, the

inner end of said handle being connected to said stem, the outer end of said handle being weighted whereby the handle and the pressure of the water in the faucet below the valve will coact to close the valve with the water-pressure.

In testimony whereof I have signed my name

to this specification in the presence of two subscribing witnesses.

EDWIN A. RIDER.

Witnesses:

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