

No. 628,258.

Patented July 4, 1899.

E. N. WEST.

FAUCET.

(Application filed Feb. 3, 1899.)

(No Model.)

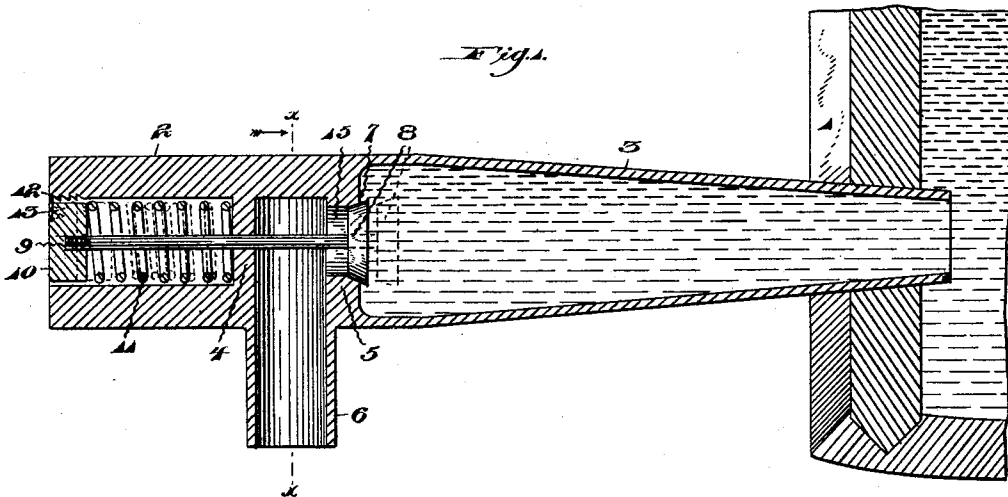


Fig. 2.

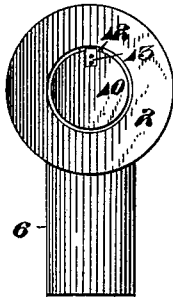


Fig. 3.

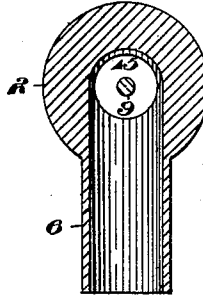


Fig. 4.

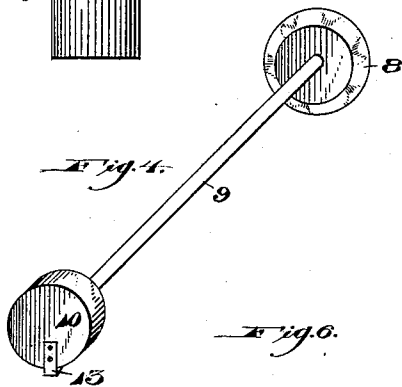


Fig. 5.

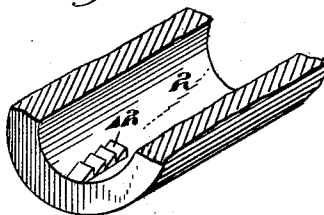
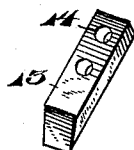


Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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FAUCET.

SPECIFICATION forming part of Letters Patent No. 628,258, dated July 4, 1899.

Application filed February 3, 1899. Serial No. 704,346. (No model.)

To all whom it may concern:

Be it known that I, EDWARD N. WEST, a citizen of the United States of America, residing at Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Faucets, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in faucets.

The object of my invention is to construct a faucet which dispenses with the usual key, spigot, or plug for closing and opening the faucet to allow of the discharge of fluid or liquid therefrom.

A further object of my invention is to construct a faucet of this description with a spring-actuated valve adapted to open and close the discharge-opening.

A further object of my invention is to construct a faucet of this description with means for locking the spring-actuated valve in an open position to allow of a steady stream of fluid or liquid to be discharged therefrom.

My invention finally consists in the novel combination and arrangement of parts hereinafter more fully described, and particularly pointed out in the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, wherein like numerals of reference indicate corresponding parts throughout the several views thereof, and in which—

Figure 1 is a longitudinal sectional view of my improved faucet and a portion of a cask or barrel, showing the faucet as attached thereto. Fig. 2 is a front view of the faucet. Fig. 3 is a vertical sectional view taken on the line *xx*, Fig. 1. Fig. 4 is a perspective view of the valve, its stem, and the operating-cap. Fig. 5 is an inverted perspective view of a portion of the faucet, showing the locking-lug arranged on the inner face thereof. Fig. 6 is a perspective view of the locking-lug.

Referring to the drawings by reference-numerals, 1 indicates a portion of a barrel or cask, showing my improved faucet secured thereto in the ordinary manner.

My improved faucet is constructed of a cy-

lindrical hollow tube of any material tapering toward one end, as shown, and the wall thereof being of greater thickness at 2 than at 3. This hollow tube is divided by partitions 4 5. A portion of the part 2 of the wall is apertured and has formed integral with its periphery a downwardly-extending tube 6, forming a discharge or outlet for the liquid.

The partition 5 has an opening therein which registers with the discharge or outlet 6 and has arranged on its inner face the valve-seat 7, against which the valve 8 is adapted to seat.

The partition 4 has an opening arranged therein to allow of the operation therethrough of the valve-stem 9, which has connected to its one end the valve 8. The outer end of the valve-stem has secured thereto an operating-cap 10, and mounted on the valve-stem, between the inner face of the operating-cap 10 and the outer face of the partition 4, is the coil or resistance spring 11.

The inner face of the wall portion 2 of the faucet has arranged thereon a rack 12, which is adapted to receive the locking-lug 13. This locking-lug 13 is secured to the outer face of the operating-cap 10 by any desirable means operating through an aperture 14, formed therein. This locking-lug is adapted to hold the operating-cap in the desired position when the same is forced inward.

The operation of my improved device is as follows: By forcing in the cap 10 it will carry the valve-stem inward and owing to the valve being connected to the one end of the valve-stem will cause the valve to leave its seat, thereby allowing the fluid or liquid to pass around the same through the opening 14, then down through the opening 15 into the discharge or outlet.

When it is desired to have a steady stream of fluid or liquid to pass through the faucet, the locking-lug 13 is brought into contact with the rack 12, which will secure the same and prevent the valve from closing the opening 15 until the locking-lug is removed from the rack.

It will be observed that when either the locking-lug is removed from the rack 13 or when the thumb or finger is removed from the operating-cap the resistance or coil spring 11 will force the operating-cap 10 outwardly, thereby

causing the valve to seat against the valve-seat and close the opening 15 and preventing any fluid or liquid from being discharged from the faucet.

5 It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

15 The combination with the faucet-body having an interior valve-seat and a discharge-opening, of a valve-stem arranged in said body with a valve on its inner end adapted to engage said valve-seat, and an operating-button

on its outer end, said faucet-body having an interior wall or partition 4, a resistance-spring arranged on said valve-stem between said wall or partition and the operating-button on the 20 end of the valve-stem, a rack arranged in the interior of the faucet-body near its outer end, and a lug secured to said operating-button and projecting beyond the periphery thereof to engage said rack, and hold the valve in the 25 open position, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

EDWARD N. WEST.

Witnesses:

JOHN NOLAND,

WILLIAM E. MINOR.