

C. E. WEEKS.
 FAUCET, COCK, OR THE LIKE.
 APPLICATION FILED AUG. 2, 1911.

1,027,678.

Patented May 28, 1912.

Fig. 1.

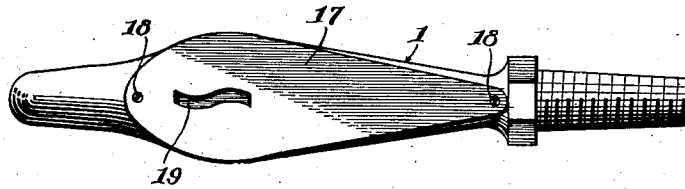
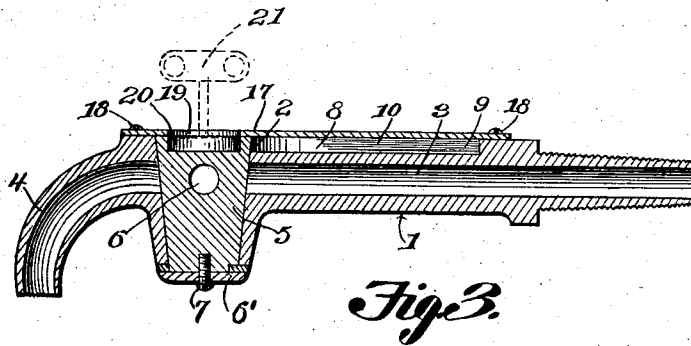
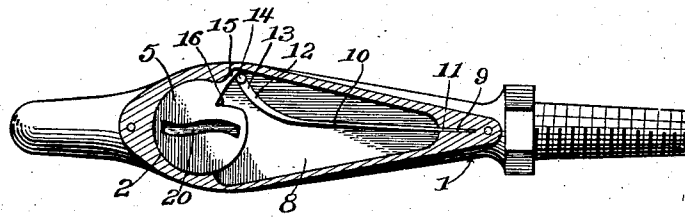


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

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FAUCET, COCK, OR THE LIKE.

1,027,678.

Specification of Letters Patent.

Patented May 28, 1912.

Application filed August 2, 1911. Serial No. 641,978.

To all whom it may concern:

Be it known that I, CHARLIE E. WEEKS, a citizen of the United States, residing at Sacramento city, in the county of Sacramento and State of California, have invented certain new and useful Improvements in Faucets, Cocks, or the Like; and I do hereby 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.

This invention relates to new and useful improvements in faucets, cocks or the like and the primary object of this invention is to provide a device of this character with means for automatically holding the locking valve in a closed position.

Another object of this invention is to provide means for operating the valve of the faucet which will prevent unauthorized persons from tampering with the same during the temporary absence of the operator.

A further object of this invention is to construct devices of this character rendering them simple in construction, strong, durable and efficient in use and comparatively cheap to manufacture and which will be of neat appearance to the eye of the observer.

With these and other objects in view, my invention consists of a novel construction, combination, formation and arrangement of parts hereinafter more specifically described and particularly pointed out in the appended claims.

In the drawing: Figure 1 is a top plan view of my improved spigot; Fig. 2 is a similar view showing the cover removed, and Fig. 3 is a longitudinal sectional view of the same.

Referring now more particularly to the drawing wherein like references indicate like parts throughout the several views, the numeral 1 indicates generally the casing of the faucet having a substantially vertical tapered opening 2 which communicates with a laterally extending inlet branch 3 and exhaust port, or passage 4.

The turning plug or valve of the faucet which is indicated by the numeral 5 is substantially conical in contour or in other words conforms to the shape of the vertical tapered opening 2 which is formed in the casing 1 and is of such a diameter to snugly fit within said opening but at the same time allow to be turned freely therein. The valve

5 is provided with an opening 6 which registers within the branch and outlet port when the same is opened. A washer cap 6' is secured to the bottom of the turning valve 5 by means of a set screw 7 to prevent the removal of the same. The upper portion of the casing 1 is provided with a pocket 8 in which extends at one end the end of the turning valve 5 and mounted in its opposite end as at 9 is a leaf spring 10 which is adapted to engage the turning valve for normally holding the same in a closed position.

One of the main features of this invention is the particular construction and operation of the spring 10 which is very thin in width, as at 11, and then gradually increases in thickness as at 12 to an angular portion 13, having an enlarged end 14 which is adapted to rest upon the lug 15 formed on the turning valve when in its normal position and rest in the recess 16 formed in said turning valve when the said valve is in open position.

The pocket 8 is closed by a suitable cover 17 which is secured to the casing by set screws as at 18 and has a key hole 19 formed therein to register with a recess 20 formed in the top of the turning valve. This recess may be of any desired size or form to conform to the shape of the operating key 21 which is used as a handle for operating the valve.

From the foregoing description taken in connection with the accompanying drawing it is apparent that I have constructed a faucet which will be neat in appearance and constructed of very light material and which will perform all of the necessary requirements of such a device.

It is to be understood that other minor details of construction may be resorted to without departing from the spirit of the invention and which come within the scope of the appended claims.

Having described my invention, what I desire to secure by Letters Patent is:

1. In a faucet comprising a casing having a turning plug mounted therein, the said plug having a recess formed in the upper end thereof, a leaf spring gradually tapering in width secured to said casing and the thickest end of said leaf spring adapted to rest in said recess substantially as described.

2. In a faucet comprising a casing having a turning plug mounted therein, the said

turning plug having a recess therein, a lug extending from said plug adjacent said recess, a leaf spring, one end of which is secured to said casing, the opposite end adapted to rest against said lug to hold said turning plug in a closed position and to rest in said recess when said plug is in an open position.

3. In a faucet comprising a casing provided with inlet and outlet ports, a turning plug mounted in said casing, having an opening to register with said inlet and outlet ports, the upper end of said turning plug having a recess in the periphery thereof, a lug extending from the periphery of the said turning plug adjacent said recess, the upper end of said casing being enlarged and having a pocket formed therein, the said

turning plug extending into said pocket, a leaf spring increasing in width, the thinner end of which is secured to the casing at one end of said pocket and the thicker end adapted to rest upon said lug formed on said turning plug, a cover for closing said pocket, having an opening formed therein to register with a recess formed in said turning plug and a key adapted to extend through said opening into said recess for operating said turning valve, substantially as and for the purpose set forth.

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

CHARLIE EDWIN WEEKS.

Witnesses:

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W. J. BROOKS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."