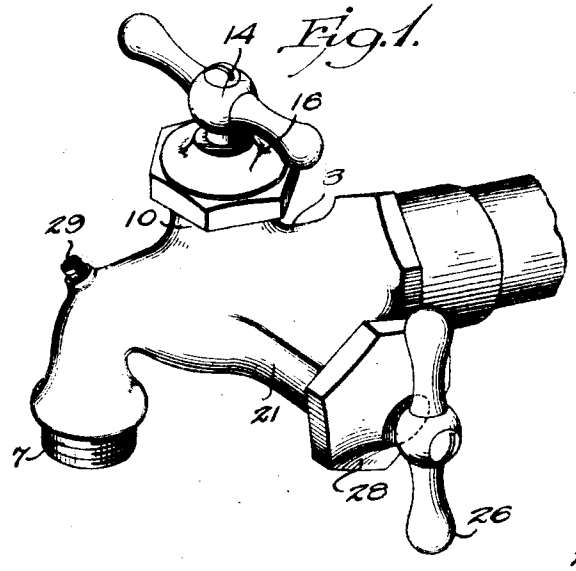
Oct. 13, 1925. 1,556,979

W. F. USCHMAN

FAUCET

Filed April 21, 1925

Fig. 1.



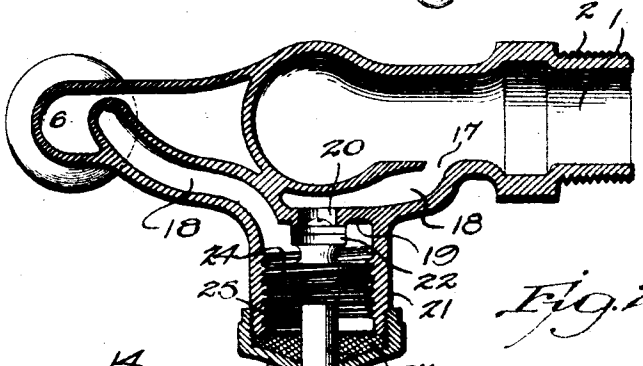


Fig. 2.

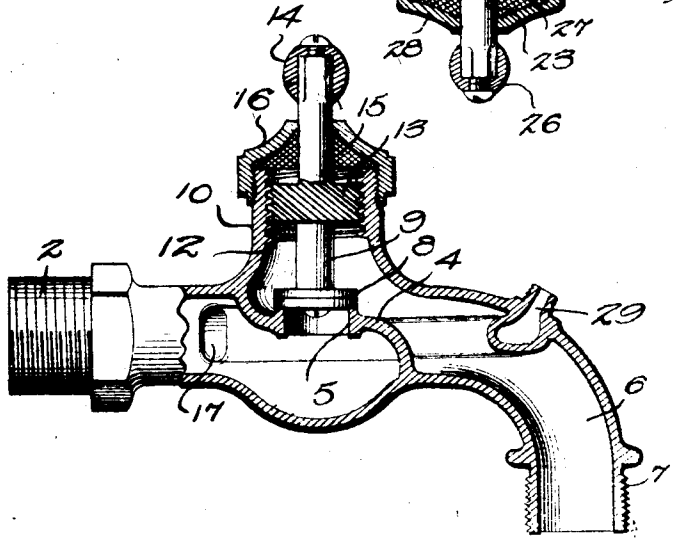


Fig. 3.

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UNITED STATES PATENT OFFICE.

WILLIAM FRANK USCHMAN, OF ATLANTA, GEORGIA.

FAUCET.

Application filed April 21, 1925. Serial No. 24,808.

To all whom it may concern:

Be it known that I, WILLIAM F. USCHMAN, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Faucets, of which the following is a specification.

This invention relates to faucets, and more particularly to a faucet having an auxiliary outlet opening.

An object of the invention is to provide a faucet of this character which is compact and the body of which may be made as an integral unit.

A further object is to provide a device of this character having independent controls for the two outlets, whereby either may be opened or closed at any time regardless of whether the other outlet is opened or closed.

In the accompanying drawings, I have shown one embodiment of the invention. In this showing:

Figure 1 is a perspective view,

Figure 2 is a horizontal sectional view, and,

Figure 3 is a side elevation, partly in vertical section.

Referring to the drawings, the reference numeral 1 designates the inlet end of the faucet adapted to be secured to the service pipe which, as shown, is preferably tubular, and is provided with a threaded end portion 2. This inlet end communicates with the main body portion 3 of the faucet which is provided with the usual partition wall 4, forming a valve seat 5. Beyond the partition, the faucet is provided with a main outlet 6, which may be externally threaded at its end, as indicated at 7, when used as a cold water faucet, for the attachment of a hose (not shown) or other device. The faucet is provided with a main valve 8 adapted to cooperate with the valve seat 5 and mounted on a suitable stem 9. Above the partition, the casing is provided with a neck 10, having an internally threaded portion 12 and the valve stem carries an externally threaded member 13 adapted to engage the threads 12 in the usual manner. The stem extends from the top of the neck and is adapted to receive the usual handle 14. Suitable packing 15 is arranged around the stem and retained in position by means of the packing nut or cap 16.

In providing the auxiliary outlet opening forming the subject matter of the present invention, the inlet portion of the faucet in the rear of the partition 4 is provided with an opening 17 communicating with a port or passage 18. This port or passage is further provided with a partition 19, similar to the partition 4 and having an opening therein, surrounded by a valve seat 20. A neck 21 is arranged in alinement with this opening and a valve 22, adapted to cooperate with the valve seat 20, is mounted on a stem 23, arranged within the neck. The valve construction is of ordinary type, the valve support being provided with an externally threaded enlargement 24, adapted to engage internal threads 25 formed in the neck. The valve stem 23 projects from the casing and is provided with the usual handle 26. As shown, the valve stem may be surrounded by suitable packing 27 retained in position by means of a packing nut 28.

The passage 18 extends around the partition 4, as shown in Figures 2 and 3 of the drawings, and is provided with an outlet opening 29. This auxiliary outlet opening may be arranged at any desired point on the casing of the faucet and may be employed for any purpose.

The operation of the device will be apparent from the foregoing description. The provision of the auxiliary outlet opening connected to the main casing of the faucet and provided with a separate control valve, permits either of the outlets to be used independently of the other and further permits the two outlets to be used at the same time, if desired.

The construction is simple and compact and a further advantage is that the entire faucet may be made as an integral unit in the same manner as the ordinary faucet having a single outlet.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size, and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

I claim:

1. A faucet having a main passage, an inlet opening and a main outlet opening, a valve seat arranged between said inlet and outlet opening, a valve cooperating with said seat, said casing being provided with an auxiliary passage in one of its walls sub-

stantially parallel to said main passage having an auxiliary outlet opening, and means independent of said valve for controlling the flow of liquid from said auxiliary outlet opening.

2. A faucet having a main passage, an inlet opening and a main outlet opening, a valve seat arranged between said inlet and outlet opening, a valve cooperating with said seat, said casing being provided with an auxiliary passage in one of its walls substantially parallel to said main passage having an auxiliary outlet opening, and a valve arranged in said passage to control the flow of fluid from said auxiliary outlet opening.

3. A faucet having a main passage, an inlet opening and a main outlet opening, a partition arranged in said main passage forming a valve seat, a valve cooperating therewith, said faucet being provided with an auxiliary passage communicating therewith rearwardly of said partition and extending through one of the walls thereof substantially parallel to said main passage, the other end of said auxiliary passage forming an auxiliary outlet opening, and independent means for controlling the flow of fluid through said auxiliary passage.

4. A faucet having a main passage, an inlet opening and a main outlet opening, a partition arranged in said main passage forming a valve seat, a valve cooperating therewith, said faucet being provided with an auxiliary passage communicating therewith rearwardly of said partition and extending through one of the walls thereof substantially parallel to said main passage, the other end of said auxiliary passage forming an auxiliary outlet opening, and a valve arranged in said auxiliary passage to control the flow of fluid from said auxiliary outlet opening.

In testimony whereof, I affix my signature.

WILLIAM FRANK USCHMAN.