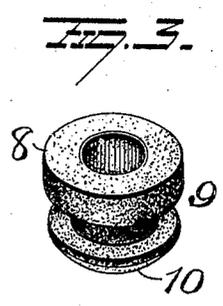
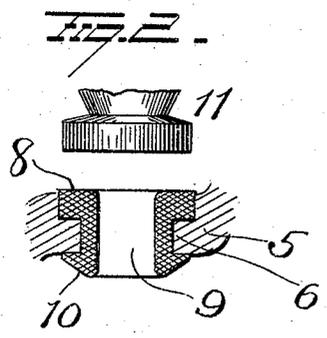
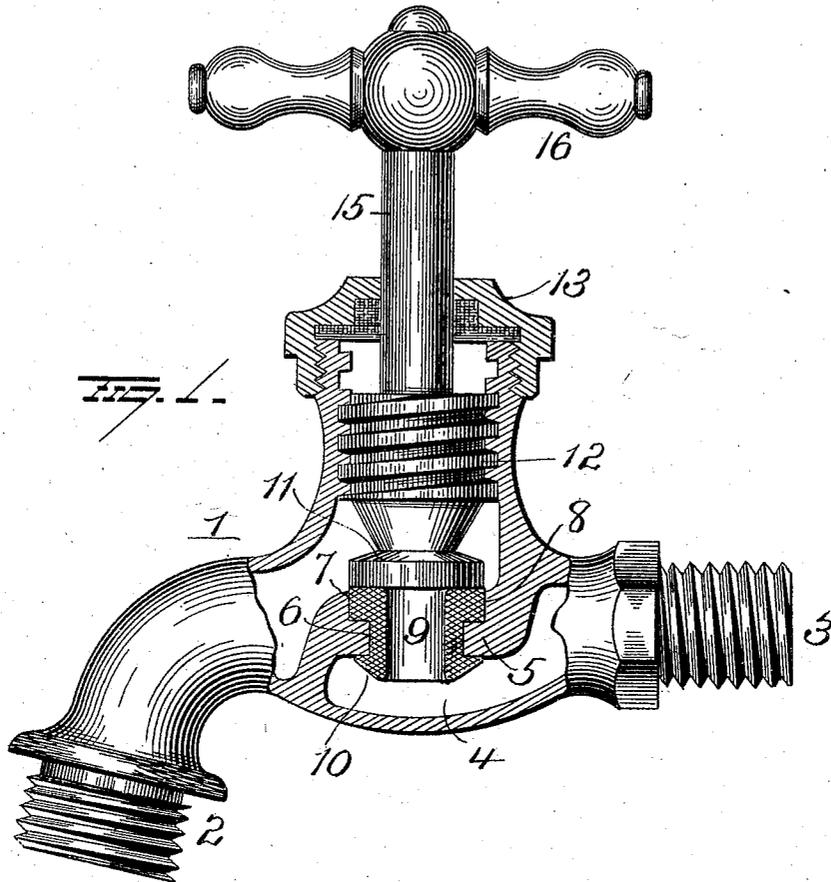


No. 806,331.

PATENTED DEC. 5, 1905.

J. F. FERRY.
FAUCET.

APPLICATION FILED JAN. 21, 1905.



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FAUCET.

No. 806,331.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES FRANCIS FERRY, a resident of Leadville, in the county of Lake and State of Colorado, have invented certain new and useful Improvements in Faucets; 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.

My invention relates to improvements in faucets, and more particularly to an improved removable valve-seat therefor, the object of the invention being to provide an improved flexible or elastic valve-seat which can be readily placed in position and which will, owing to its shape and construction, be maintained in operative position without the aid of other devices; and the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in longitudinal section, illustrating my improvements. Fig. 2 is a sectional view showing the seat in position, and Fig. 3 is a perspective view of the seat.

1 represents a faucet-casing having the spout 2 at one end and inlet-pipe 3 at its other end, with the valve-chamber 4 between the spout and inlet and projecting upward and internally and externally screw-threaded, as shown.

In the valve-casing and separating inlet-pipe 3 from spout 2 is an integral partition 5, having an opening 6 in its horizontal portion for the passage therethrough of the water or other fluid. On the top of the partition an annular recess 7 is provided around opening 6 to accommodate the annular flanged upper end 8 of my improved valve-seat 9. The seat 9 is composed of rubber or other flexible or elastic material and comprises a cylindrical portion to fit the opening 6, an annular flange 8 at its upper end to rest in recess 7, and at the lower end of the cylindrical portion of the seat an annular flange 10 is provided to engage under partition 5 and securely hold the seat against accidental upward movement, and this lower annular flange 10 is beveled on its lower side to guide the seat into the opening 6 when forced down by the valve 11, and

owing to the bevel of the lower flange the cylindrical portion of the seat will be contracted until the lower flange is through the opening, when the flange and cylindrical portion will expand, fit the opening snugly and securely lock the seat therein, as it will be seen that the partition is between the upper and lower flanges of the seat, and the latter is securely held against movement in either direction.

The valve 11 is carried by a screw-plug 12, mounted to turn in the internal screw-threads of the valve-casing 1. A screw-threaded cap 13 is screwed onto the external threads of the casing and closes the same, and an operating-rod 15 projects up through the cap and has a handhold 16 thereon to facilitate its being turned.

My improved seat is also especially designed for repairing almost any of the well-known faucets in use, as the partition will be grasped between the flanges of the seat, and the latter will hold itself in position without the employment of additional devices. It can be easily and quickly applied by any one of average intelligence, as the valve can be used to force the seat into position. The device is of extremely simple and inexpensive construction and requires no additional means for securing it in place in a cock or faucet.

A great many slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I would have it understood that I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

A cock or faucet comprising a casing having a partition separating the inlet and outlet spout, said partition having an opening and an annular recess surrounding said opening, a cylindrical extension on said casing, a valve-stem adjustable in said extension, a flexible valve-seat passing through the opening in the partition, said seat having a flange at its lower end to bear against the under face of the partition and a flange at its upper end seated in the annular recess in the partition, and a valve

at the end of the valve-stem, said valve having a diameter approximating that of the flanged upper end of the flexible valve-seat, whereby pressure exerted by said valve on the
5 flexible seat will be received by the shoulder formed by the annular recess in the partition.

In testimony whereof I have signed this

specification in the presence of two subscribing witnesses.

JAMES FRANCIS FERRY.

Witnesses:

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