

Fauget.

№ 68,170.

Patented Aug. 27, 1867.



Witnesses:

Geo. D. Walker

Chas H Smith

Inventor:

Robert B. Coar

United States Patent Office.

ROBERT B. COAR, OF JERSEY CITY, NEW JERSEY.

Letters Patent No. 68,170, dated August 27, 1867.

IMPROVED FILTER-FAUCET.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ROBERT B. COAR, of Jersey City, in the county of Hudson, and State of New Jersey, have invented, made, and applied to use a certain new and useful improvement in Filters; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a vertical section of my said filter as in place for use.

Figure 2 is a sectional plan of the same at the line *x x*.

Similar marks of reference denote the same parts.

The object of my said invention is to furnish a cock and filter combined, in nearly the usual form of cock or faucet.

My invention consists in a hollow plug to the cock, fitted with a removable cap, and provided with a filtering-diaphragm that can be inserted or removed at pleasure when the cap is off; and when in use said filtering-diaphragm detains any foreign matter there may be in the water passing through the cock, and the accumulation of such foreign matter can be delivered and the filter washed by simply reversing the plug of the cock by turning it around.

In the drawing, *a* represents the supply pipe, *b* the cylinder, and *c* the bib of any ordinary character of cock or faucet. *d* is the tapering plug, which is formed hollow, and provided with a cap, *e*, to screw into the upper end of the plug. *f* is a handle projecting from one side of the plug, by means of which it may be turned; and *g* is the tightening-screw or nut, by means of which the plug *d* is held into the cylinder *b*. *h* is the filtering-diaphragm, formed of wire gauze, felt, or other porous material, fitted to set tightly to the interior of the plug *d*, and at right angles to the water-ways *i i*.

When wire gauze is employed it is best to use several thicknesses, soldered together at the edges, and filed off to fit the interior of the plug. When felt is used it should be supported between wire gauze or plates of perforated metal.

It will be evident that the cylindrical plug *d* acts in the same capacity as the ordinary plug of a cock, and that the filter will retain foreign matter, and can be reversed as aforesaid for cleaning.

The filtering-diaphragm can be taken out with facility for cleaning, or when not required for use.

What I claim, and desire to secure by Letters Patent, is—

The handle *f*, attached directly to one side of the larger end of the tapering hollow plug *d*, in combination with the removable cap *e* and filtering-diaphragm *h*, all arranged as and for the purposes set forth.

In witness whereof I have hereunto set my signature this 23d day of March, 1867.

ROBERT B. COAR.

Witnesses:

CHAS. H. SMITH,

GEO. D. WALKER.