

(No Model.)

G. F. BARRINGTON.
STRAINER FOR WATER FAUCETS.

No. 275,978.

Patented Apr. 17, 1883.

Fig. 1.

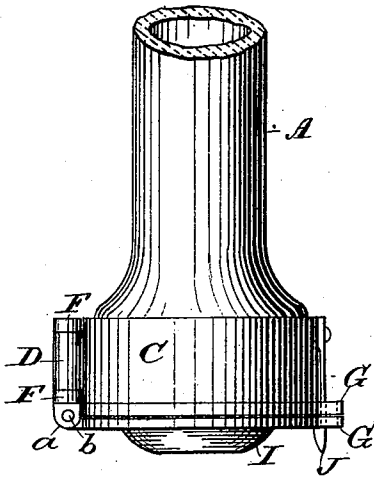


Fig. 2.

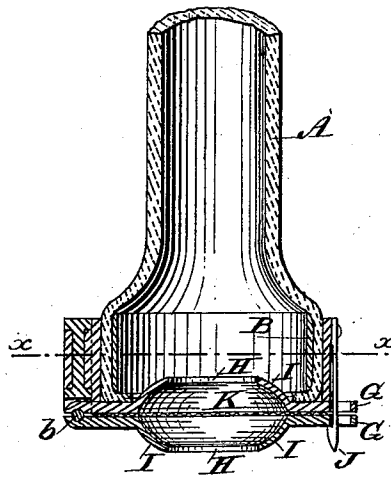


Fig. 3.

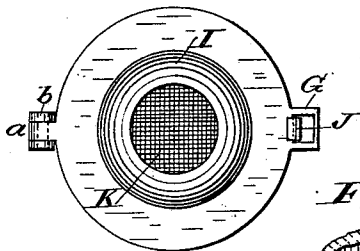


Fig. 4.

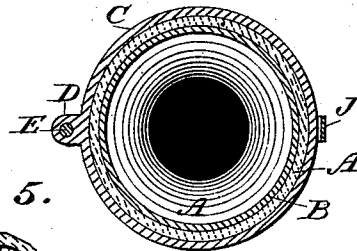


Fig. 5.

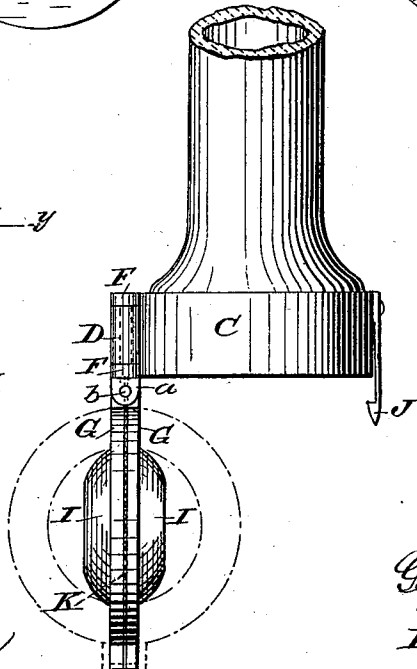


Fig. 6.

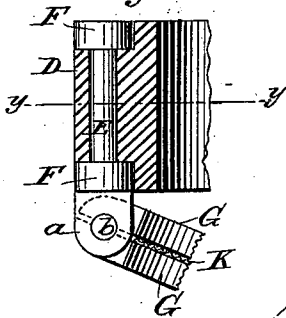
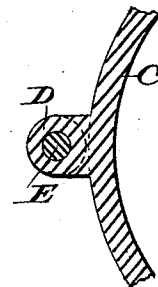


Fig. 7.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE F. BARRINGTON, OF SAN FRANCISCO, CALIFORNIA.

STRAINER FOR WATER-FAUCETS.

SPECIFICATION forming part of Letters Patent No. 275,978, dated April 17, 1883.

Application filed December 28, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE F. BARRINGTON, a citizen of the United States, residing at San Francisco, California, have invented new and useful Improvements in Strainers for Water-Faucets, &c., of which the following is a specification.

My invention relates to certain new and useful improvements in strainers for water cocks, pipes, &c.

It has for its objects economy and simplicity of construction, ready applicability, and great facility for cleaning; and with these ends in view it consists of the peculiar features of construction hereinafter fully explained and specifically claimed.

In order that those skilled in the art may fully understand the construction and operation of my invention, I will describe the same, referring by letters to the accompanying drawings, in which—

Figure 1 is a side view of one of my improved strainers attached to a piece of ordinary rubber hose; Fig. 2, a central section of the same; Fig. 3, an end view; Fig. 4, a cross-section taken at the line *x x* of Fig. 2; Fig. 5, a view similar to Fig. 1, with the strainer opened or swung down upon its swivel-hinge, the dotted lines indicating the rotary or swinging movement of the strainer to reverse the same, as will be hereinafter explained; Fig. 6, an enlarged detail section, showing the swivel-hinge; and Fig. 7, a cross-section at *y y* of Fig. 6.

Similar letters denote like parts in the several figures.

A represents a piece of ordinary rubber hose, one end of which is stretched over a metallic flat ring, B, adapted to be located within a cylindrical metal frame, C, in such manner that the rubber hose A shall serve as a packing between the ring B and frame C and hold the two in fixed relation to each other. The frame C is provided at one side with a tubular bearing, D, adapted to receive a rotary pintle, E, which is headed or shouldered at F F to retain it in position. The pintle E is formed at one end with ears *aa*, within which is hinged, by a transverse bolt, *b*, the strainer, as clearly shown at Fig. 2. The strainer proper consists of two ring-plates, G G, having a central orifice, H, for the passage of the water, and beveled or raised, as clearly shown at I, so as to come in contact with end of the rubber tube A, which is purposely extended beyond the edge of the ring B, in order that the beveled surface I shall come in contact therewith to form a packing when the strainer-plate is forced in position and locked by a spring-latch, J, secured to the frame C at a point directly opposite to the pintle-bearing D. This latch operates in an obvious manner; but in lieu thereof any other fastening device may be employed. Between the plates G G is placed a piece of wire-gauze or other suitable strainer material, and confined therein by riveting the plates together.

The object of securing the strainer-plates to the body C by the swivel-connection E is to enable the same to be opened on its hinge and swiveled on its pintle E, to present the opposite sides of the strainer to the action of the current or force of the water, so as to render the device self-cleaning. I have shown in dotted lines at Fig. 5 the movement to produce this result.

It is a well-known fact that in the use of all ordinary strainers the meshes soon become clogged or fouled by the deposit of animal or foreign matter, and that it is therefore desirable to frequently reverse the screening-surface. The gist of my invention rests in the idea of the ready reversibility of the screen proper, in the manner described, avoiding the tedium of the ordinary screw-joint and its inherent liability of corrosion and faulty joint.

While I have shown the strainer connected, in the manner described, to the end of a piece of rubber hose, it will be understood that it may be secured and used with advantage directly on the mouth of an ordinary cock provided with a suitable gasket or packing-ring; but I prefer the construction shown, as it is very easy to slip the end of the rubber A over an ordinary cock.

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

1. A strainer-frame, C, provided with a strainer, K, and secured in position by a swivel-connection, as described, whereby the strainer may be reversed, substantially as and for the purposes set forth.
2. The strainer-plates G G, having central

orifices and beveled at I, in combination with the frame C, ring B, and hose A, substantially as and for the purposes set forth.

3. In combination with the frame C, ring B,
5 and rubber tube A, the strainer-plates G, beveled at I, and adapted to close against the end of the rubber tube, substantially as set forth.

4. The frame C, provided with the cylindrical bearing D, in combination with the strainer
10 plates or body, pintle E, and hinge b, whereby

the strainer may be reversed, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEO. F. BARRINGTON.

Witnesses:

GEO. C. SARGENT,
JOHN T. EVANS.