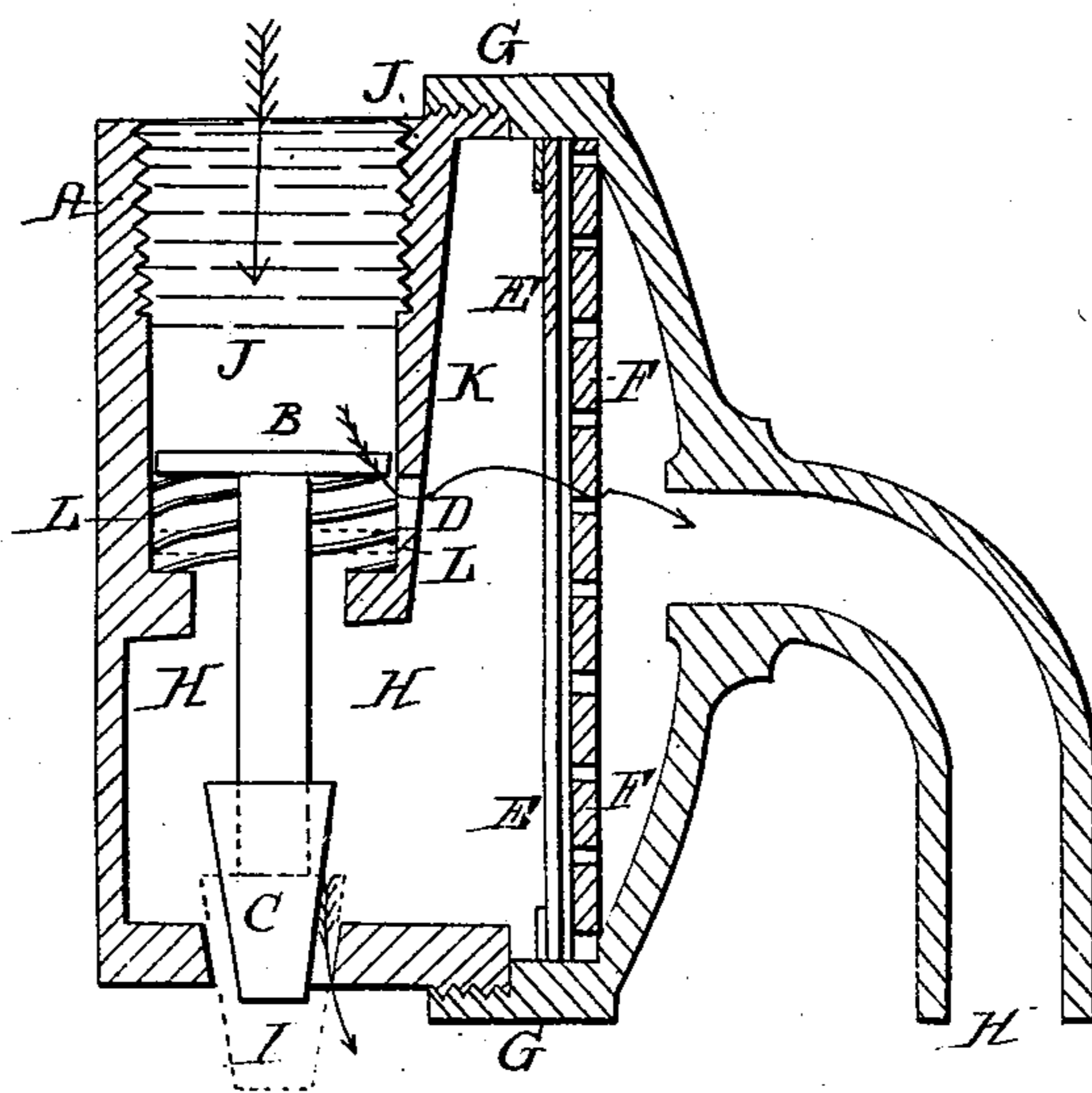
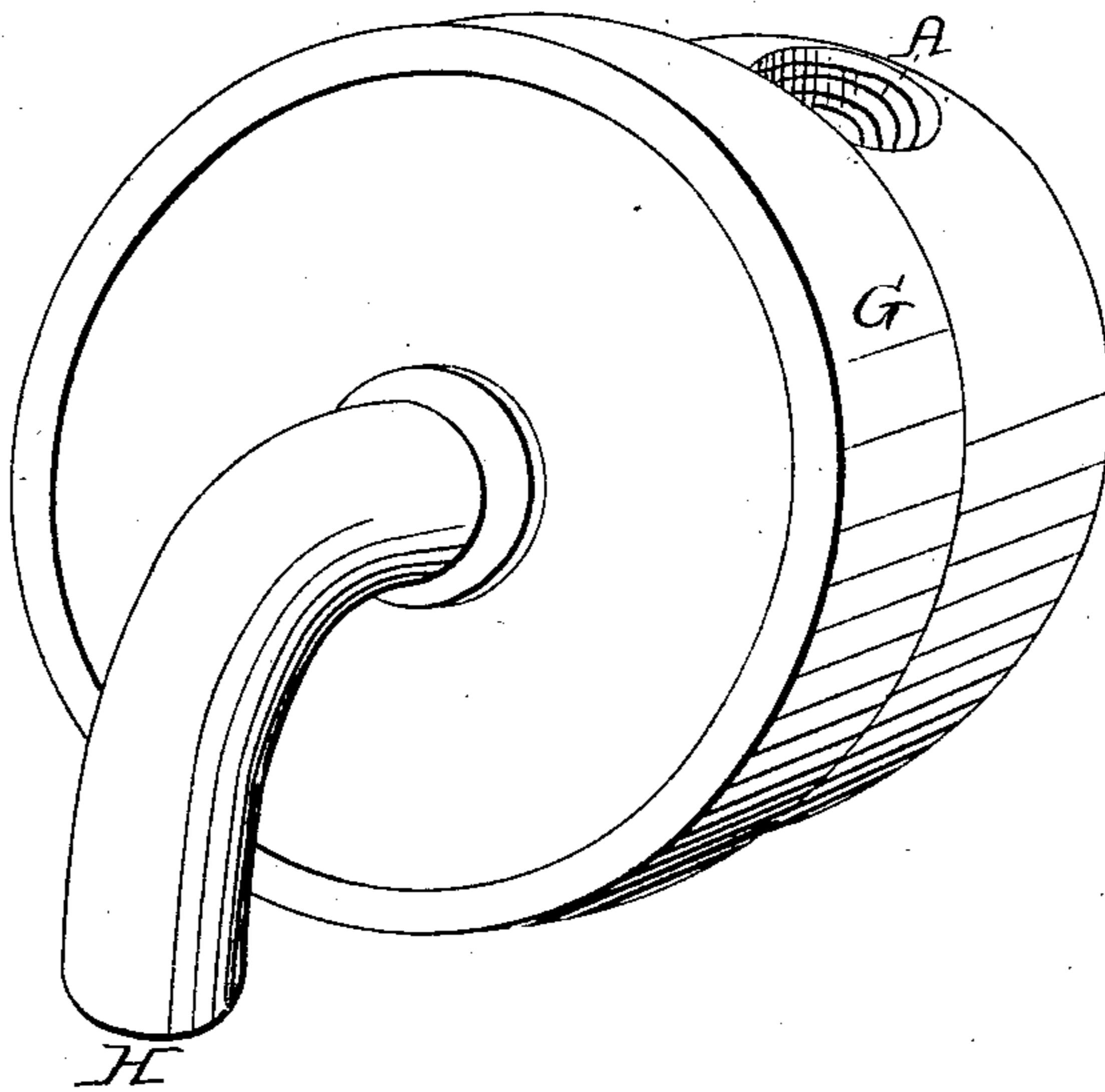


T. C. Clarke.

Water Filter,

Nº 13,026,

Patented June 12, 1855.



UNITED STATES PATENT OFFICE.

THOMAS C. CLARKE, OF CAMDEN, NEW JERSEY.

FILTER.

Specification of Letters Patent No. 13,026, dated June 12, 1855.

To all whom it may concern:

Be it known that I, THOMAS C. CLARKE, of Camden, in the county of Camden and State of New Jersey, have invented a new
5 and Improved Mode of Filtering Water and other Liquids; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the let-
10 ters of reference marked thereon.

I construct a shell or cup with a screw-thread to screw on to the nozzle of a hydrant (A A) and a tube extending down from the screw (J) to accommodate a valve
15 (B) which valve (B) has connected with it by a rod, a lower valve (C). Both of these valves (B and C) are pushed down by the pressure of the running stream when the water is turned on from the pipe or
20 hydrant. When the water is turned on the pressure forces the valve (B) down until it finds an outlet at D, the same pressure closing the valve (C) attached to the other end of the valve rod, thus preventing the
25 passage of the water below which filling the cavity (K K K) is forced through the filtering medium (E E) passing which the water escapes in a filtered state through the nozzle (H). On turning the faucet or brass
30 cock the pressure on the valve is removed

when a spiral spring (L L) throws up the valves and by opening valve (C) allows the remaining water and sediment to pass out at I. The felt or other filtering medium is sustained in position by a perforated plate
35 E E lying in the lid which lid is attached to the cup or shell by a screw joint (G, G.)

In the exterior view of my filter A is the screw-thread by which the filter is secured to the faucet or cock G, the screw-joint at-
40 taching the lid to the cup or shell, and H is the nozzle for passing the filtered water.

What I claim as my invention and desire to secure by Letters-Patent, is—

The application of the spring so that it
45 shall in connection with the pressure of the incoming stream of water work the upper and lower valves always leaving the lower valve (C) open for the passage of sediment after the running of the water ceases, thus
50 forming a self-cleansing filter, which cleansing is further promoted by the facility with which the filtering medium itself is changed and renewed by unscrewing the lid in which the filtering medium is secured.

THOMAS C. CLARKE.

Witnesses:

E. G. FOCAR,
CHAS. P. CLARKE.