

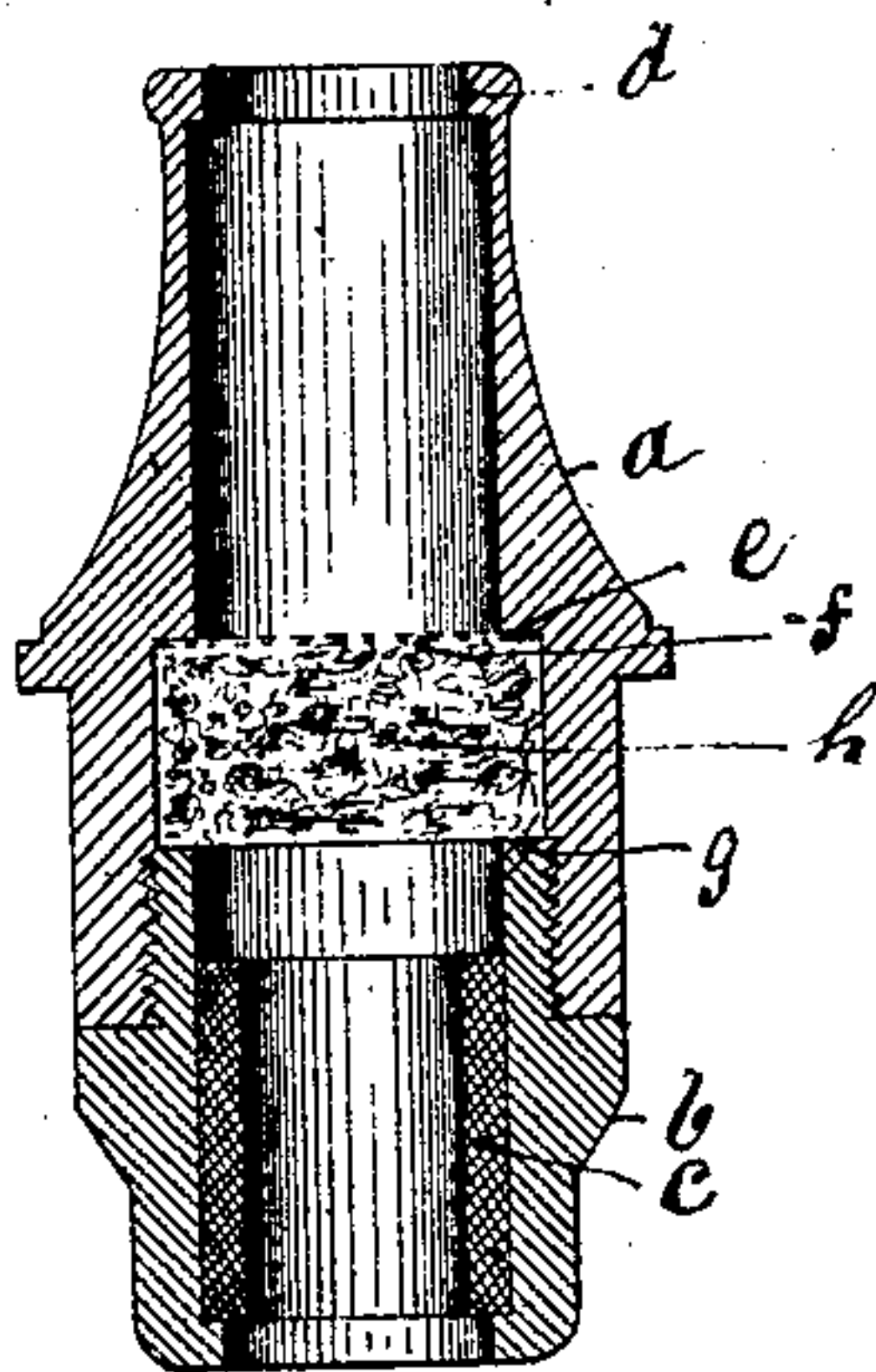
N.C. Wilder,

Filter.

No. 102636.

Patented May 3, 1870.

Fig. 1.



Witnesses

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NAHUM C. WILDER, OF HARTFORD, CONNECTICUT.

Letters Patent No. 102,636, dated May 3, 1870.

IMPROVEMENT IN WATER-COCK FILTER.

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, NAHUM C. WILDER, of the city and county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Filter for Water-Cocks; and to enable others skilled in the art to make and use the same, I will proceed to describe by referring to the drawings, in which the same letters indicate like parts.

The nature of this invention consists in arranging or combining a filter with a nozzle and compound rubber and metal sleeve, the object of which is to produce a filter cheap and rapid of construction, convenient and desirable for use.

In the accompanying drawings—

Figure 1 is a side sectional view.

a is a metallic nozzle.

b is a metallic sleeve, connected to the nozzle by screw-threads in the common way of forming connections.

c is an India-rubber sleeve, fitted closely into the metallic sleeve *b*.

The chamber or lower end of the nozzle is provided with a lip, *d*, the object of which is to cause the water to flow in a smooth stream therefrom.

The chamber of this nozzle is provided with a shoulder, *e*, upon which is placed a wire-gauze or sieve, *f*; and between this sieve *f* and the lower end *g* of the sleeve *b* is placed a sponge, *h*, or other fibrous material, for collecting the impurities in the water.

By this screw connection the nozzle can be at any time quickly separated from the sleeve or water-cock upon which it is being used, and the sponge or other material may be removed and cleansed, or other substituted therefor.

By means of this compound sleeve, the connection can be more cheaply and rapidly manufactured, and is more reliable for use when made.

This improvement can be easily and quickly attached to a water-cock having either screw-end nozzle or a smooth-end nozzle. Thus a good, efficient, and durable filter-nozzle can be furnished greatly below the cost of those now in use.

I believe I have thus shown the nature, construction, and advantage of this invention, so as to enable others skilled in the art to make and use the same therefrom.

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

As an improved article of manufacture, a filter for water-cocks, having a nozzle, *a*, with lip *d*, sleeve *b*, packing *c*, connected to the nozzle by a screw connection, gauze *f*, upon the shoulder *e*, and sponge *h*, all combined and arranged as and for the purpose set forth.

NAHUM C. WILDER. [L. S.]

Witnesses:

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