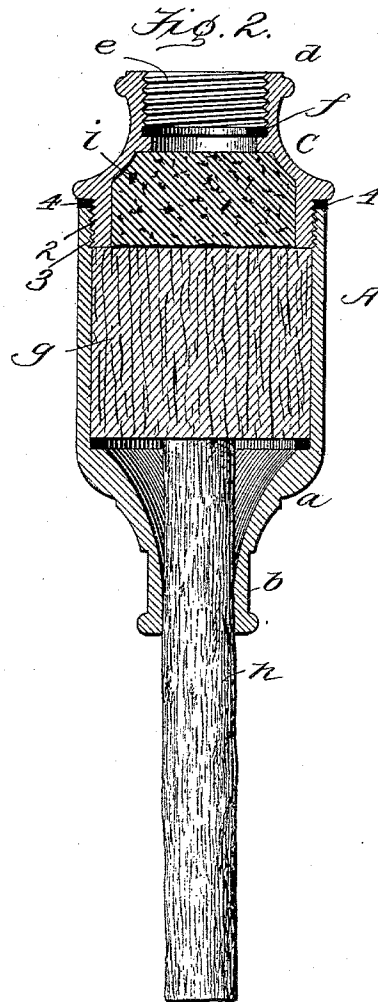
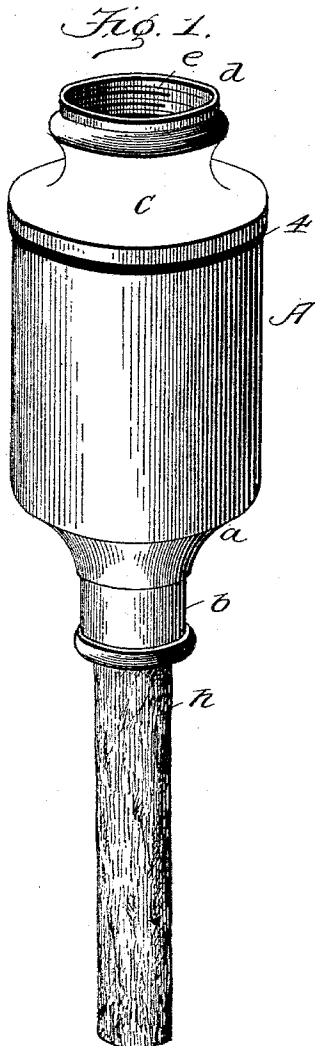


(No Model.)

S. STARKEY.
FILTER.

No. 566,631.

Patented Aug. 25, 1896.



WITNESSES:

Ralph Wornille
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UNITED STATES PATENT OFFICE.

SYDNEY STARKEY, OF EAST LIVERPOOL, OHIO.

FILTER.

SPECIFICATION forming part of Letters Patent No. 566,631, dated August 25, 1896.

Application filed July 13, 1896. Serial No. 599,037. (No model.)

To all whom it may concern:

Be it known that I, SYDNEY STARKEY, of East Liverpool, in the county of Columbiana and State of Ohio, have invented an Improved Filter, of which the following is a specification.

The present invention relates to filters, and has for its object the provision of a filter which will possess advantages in point of simplicity, inexpensiveness, durability, and general efficiency.

With these objects in view the invention consists of the details of construction and arrangement which will more fully appear hereinafter.

In the accompanying drawings, which form a part of this application, Figure 1 is a perspective of my invention. Fig. 2 is a sectional view.

Like numerals and letters of reference indicate corresponding parts in both the views.

Referring to the drawings, in carrying out my invention I employ an outer case A, having the bottom *a*, terminating in a cylindrical pipe *b*. A detachable cover C is connected to the outer casing A by means of the screw-threads 2, working in the female threads 3, situated in the upper end of the said case A.

A washer 4 is placed between the adjacent edges of the cover and casing, so as to form a tight joint and prevent leakage. A nozzle *d* forms an integral part of the cover C, and has situated therein interior female threads *e* for engagement with the male threads upon a faucet or water-pipe. A washer *f* is placed therein, so as to prevent leakage of water coming into the filter. Situated within the

filtering-casing A is placed a cylindrical piece of porous wood *g*. The wood more preferable to be used is grape-vine wood on account of its porous qualities and its accessibility of procurement.

A second piece of grape-vine wood *h* is inserted in the bottom end of pipe *b*. A sponge *i*, inserted in the case C, aids in assisting the porous grape-vine in clarifying the water. The operation and practicability of the above-described invention can be readily seen from the above description.

The water passing through the nozzle *d* is cleaned by filtering through the sponge *i* and the porous section of grape-vine *g*, and is sucked out through the grape-vine stick *h*.

Various modifications of the above may be made without departing from the spirit of my invention.

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

In a filter of the class described, the combination with the outer case, a cylindrical pipe *b* integrally connected thereto, a detachable cover C, a cylindrical section of porous wood situated within said outer case, a sponge situated in said cover, a porous stick of grape-vine situated in the lower end of the cylindrical pipe *b*, all substantially as arranged and set forth.

SYDNEY STARKEY.

Witnesses:

E. R. FREDERICK,
C. ALBERT GEISZ.