

J. GRANT.  
Filter.

No. 213,896.

Patented April 1, 1879.

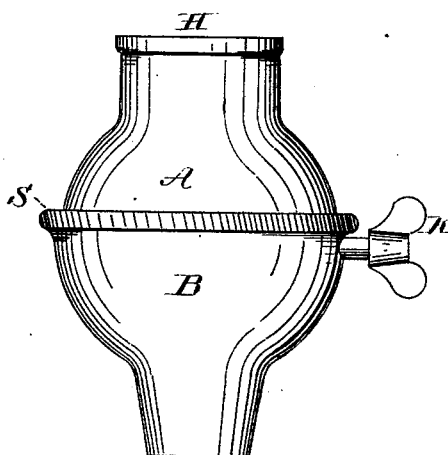


Fig. 1.

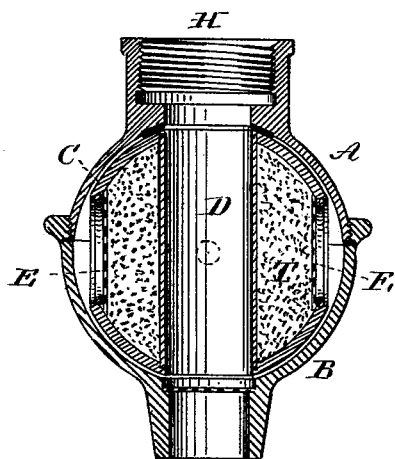


Fig. 2.

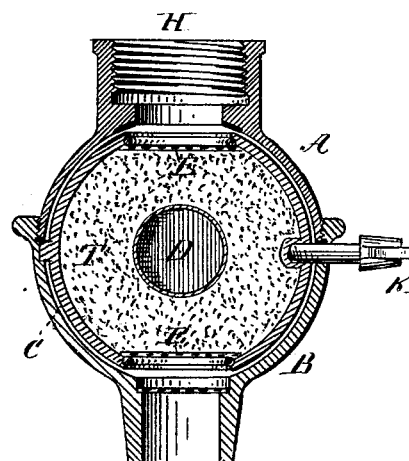


Fig. 3.

WITNESSES.

*Charles H. Fogg.*  
*Frank H. Parker.*

INVENTOR

*Jott Grant*  
*Per William Edson Atty*

# UNITED STATES PATENT OFFICE.

JOTT GRANT, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN FILTERS.

Specification forming part of Letters Patent No. **213,896**, dated April 1, 1879; application filed December 9, 1878.

*To all whom it may concern:*

Be it known that I, JOTT GRANT, of the city of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Filters, of which the following is a specification:

My invention relates more particularly to that class of filters which are used for domestic purposes; and consists in inclosing a hollow globe in a spherical casing, through which the water passes. Said globe has a tube passing through it centrally, thus leaving a free passage for the water when the globe is turned in the proper direction. The space within the globe and around the tube is filled with a filtering-mixture, to which the water has access through strainers located in orifices made in the sides of the globe.

In the drawings, Figure 1 is an elevation of my filter. Fig. 2 is a section of the same, showing the hollow tube through which water has a free passage when it is not desirable to filter it. Fig. 3 is a section, showing the globe so turned that the water must pass through the filtering-mixture.

Let A and B represent two hemispherical cases, which, when screwed together at S, form a hollow chamber for the reception of the metallic globe C. The globe C has a tube,

D, passing through its center, which allows a free passage of water when the globe is turned to the position shown in Fig. 2.

The space T within the globe and around the tube D is filled with charcoal or some other suitable filtering-mixture.

E and E are two strainers, which serve to allow the passage of water, and also to prevent the charcoal from coming out.

When the globe is turned to the position shown in Fig. 3, it becomes a perfect filter, the water having to pass through the filtering-mixture T before it can escape.

The neck H of the filter may be made with a screw, as shown; or any other coupling device may be used.

K is a handle, which passes through the shell B in the globe, and serves to operate the same.

I claim as my invention—

In a filter, the combination of the globular case C with tube D, strainers E E, and the filtering-mixture T, substantially as described, and for the purpose set forth.

JOTT GRANT.

Witnesses:

WILLIAM EDSON,  
CHARLES H. FOGG.