

No. 626,238.

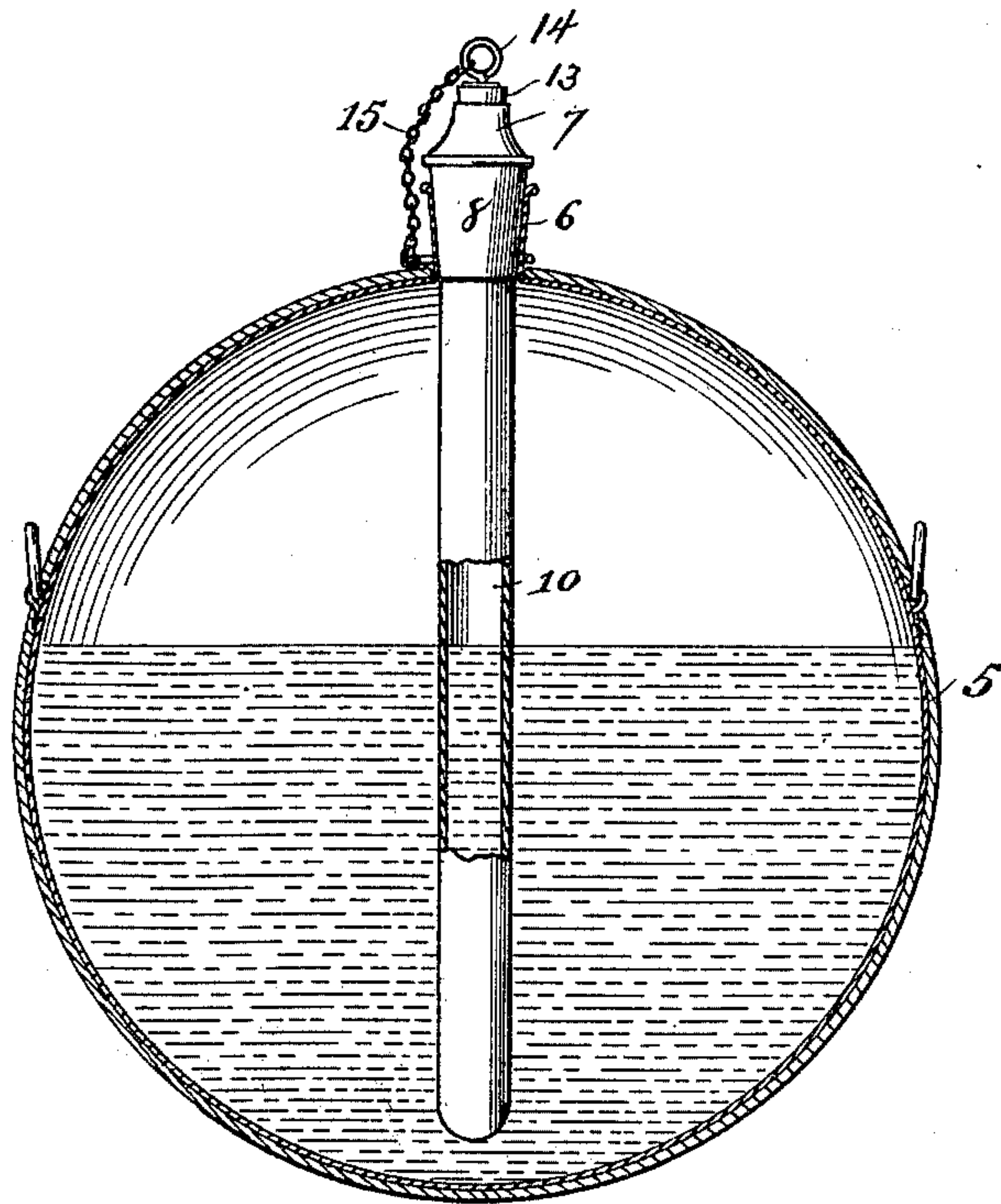
Patented June 6, 1899.

G. S. KNAPP.  
CANTEEN.

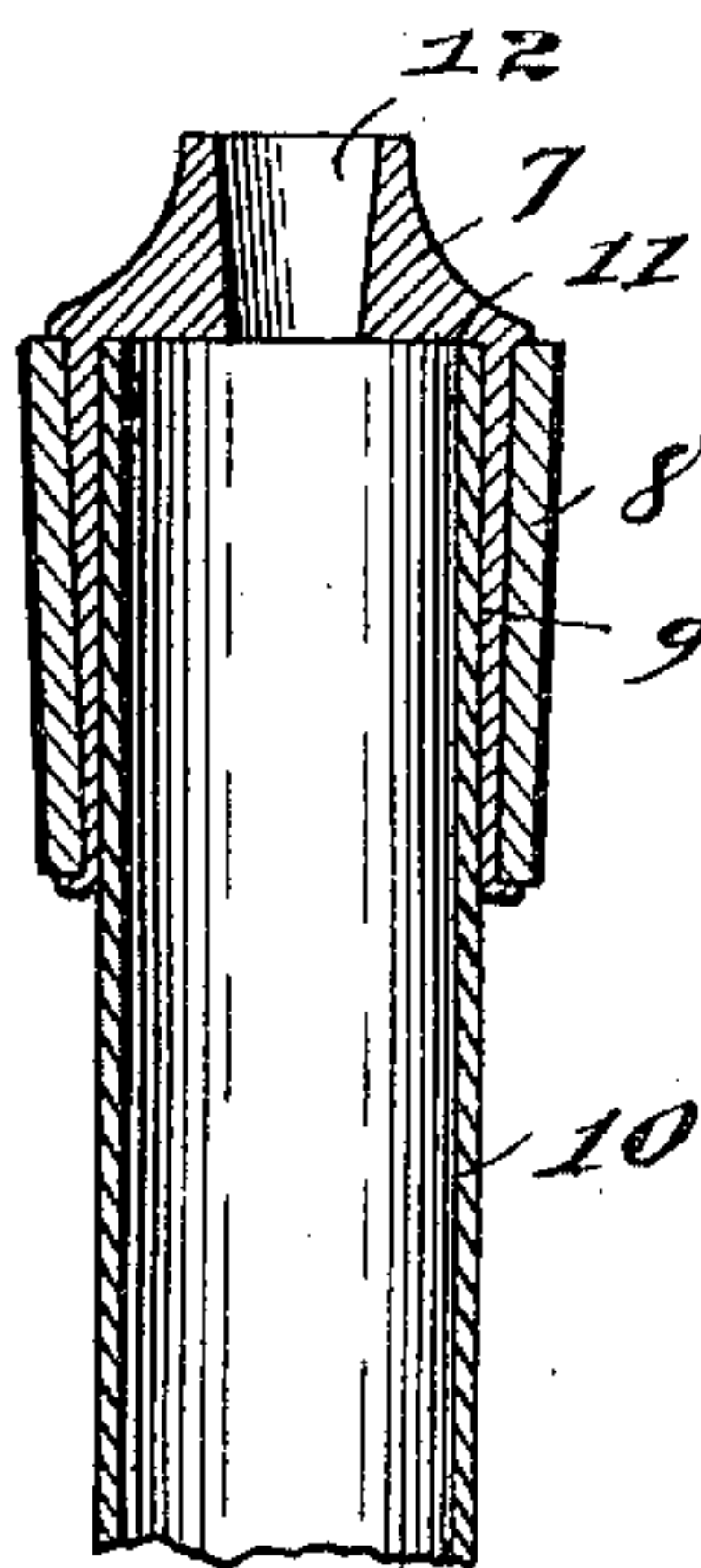
(Application filed July 11, 1898.)

(No Model.)

*Fig. 1.*



*Fig. 2.*



Witnesses,  
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# UNITED STATES PATENT OFFICE.

GEORGE S. KNAPP, OF EVANSTON, ILLINOIS, ASSIGNOR OF ONE-HALF TO  
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## CANTEEN.

SPECIFICATION forming part of Letters Patent No. 626,238, dated June 6, 1899.

Application filed July 11, 1898. Serial No. 685,693. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE S. KNAPP, of Evanston, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Canteens, of which the following is a specification.

This invention relates to canteens, and has for its object to provide a device of this character with a combined closure and filter, whereby the contents of the canteen may be filtered before used, the filter and closure being connected with each other, and thereby adapted to be inserted into and withdrawn from the canteen together, so that this latter may be readily and quickly filled when the device is removed therefrom, while the filter will be protected from injury when in place in the canteen.

To this and other ends my invention consists in certain novel features, which I will now proceed to describe and will then point out in the claims.

In the accompanying drawings, Figure 1 is a vertical sectional view, partly in elevation, of a structure embodying my invention and in its preferred form; and Fig. 2, an enlarged vertical sectional view of the upper portion of the combined closure and filter.

In the said drawings, 5 indicates the body of the canteen, which may be of any approved construction, the form shown being that in ordinary use in the United States Army. This canteen is provided with the usual discharge neck or nozzle 6, which is preferably made tapering or conical in shape in the usual manner.

7 indicates the body of the closure, which is adapted to fit within the neck or nozzle 6, being correspondingly tapered for that purpose and being preferably provided with an outer ring or jacket 8, of rubber or other like material, in order to insure a tight joint between said closure and the neck or nozzle 6. In case the body of the closure is made entirely of rubber or other like material the outer ring or jacket 8 may be dispensed with.

The body of the closure 7 has formed in its lower portion, which fits within the neck 6, a cylindrical recess 9 to receive a filter-tube 10, which fits therein and may be secured in position by cement or in any other suitable manner. This filter-tube may be of any approved

construction, the form which I prefer being that of a hollow tube of porous earthenware, which, as is well known, has superior filtering properties and is very readily cleaned. The upper end of this tube abuts against a shoulder 11 at the end of the recess 9 in the body 7 of the closure, and is thus firmly supported in proper position.

The body of the closure is provided at its upper end with a pouring orifice or passage 12, preferably tapering in shape, which communicates with the interior of the filter-tube 10 and which is adapted to be closed by a stopper 13, of cork or other suitable material. This stopper is tapered to fit the pouring-aperture 12 and is preferably provided with an eye or ring 14 to receive a chain 15, by means of which the stopper is permanently connected to the body of the canteen.

It will be at once seen that by reason of the above construction the closure 7, along with the filter-tube, may be withdrawn from the canteen and the canteen quickly and readily filled through the comparatively large opening thus left at the neck or nozzle. The closure, with its filter, may then be reinserted, with the stopper 13 in place in the pouring-opening 12, whereupon the canteen will be effectually closed and will itself inclose, and thus protect from injury, the filter-tube 10. The water in the body of the canteen will filter through the walls of the tube 10, and the interior of this latter will become filled with pure filtered water, which may be drawn or poured therefrom at any time by removing the stopper 13 from the pouring-orifice 12. The apparatus as a whole takes up no more space than the ordinary canteen without the filter attachment, and a constant supply of filtered water is thus rendered obtainable without adding to any appreciable extent to the number of articles to be carried by the soldier. It will also be seen that the body of the closure forms in practice a nozzle or mouthpiece, so that the filter-tube when withdrawn from the canteen may be inserted into a body of water, and the water may be drawn directly by suction through the same, thus permitting the user to drink directly from the body of water with safety.

I do not wish to be understood as limiting



myself to the details of construction herein-  
before described, as it is obvious that various  
modifications thereof may be made without  
departing from the principle of my invention.

5 I claim—

1. The combination, with a canteen or other  
like article, of a removable closure therefor  
having a pouring-orifice, an internal seat or  
recess communicating therewith, and an ex-  
10 ternal jacket or ring of rubber or like mate-  
rial, a filter-tube closed at its lower end, hav-  
ing its open upper end secured in the seat or  
recess of the closure, and constructed of por-  
ous earthenware or the like, whereby its wall  
15 constitutes a filter, and a removable stopper  
to fit the pouring-orifice, substantially as de-  
scribed.

2. The combination, with a canteen having  
a neck or nozzle, of a removable closure there-  
for having a pouring-orifice and an internal 20  
seat or recess, the external wall of said clo-  
sure being of a material such as rubber adapt-  
ed to form a tight joint with the neck or noz-  
zle, a filter-tube composed of porous mate-  
rial, having a closed lower end and an open 25  
upper end and adapted to the internal seat  
or recess of the closure, and a removable  
stopper for the pouring-orifice, substantially  
as described.

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Witnesses:

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