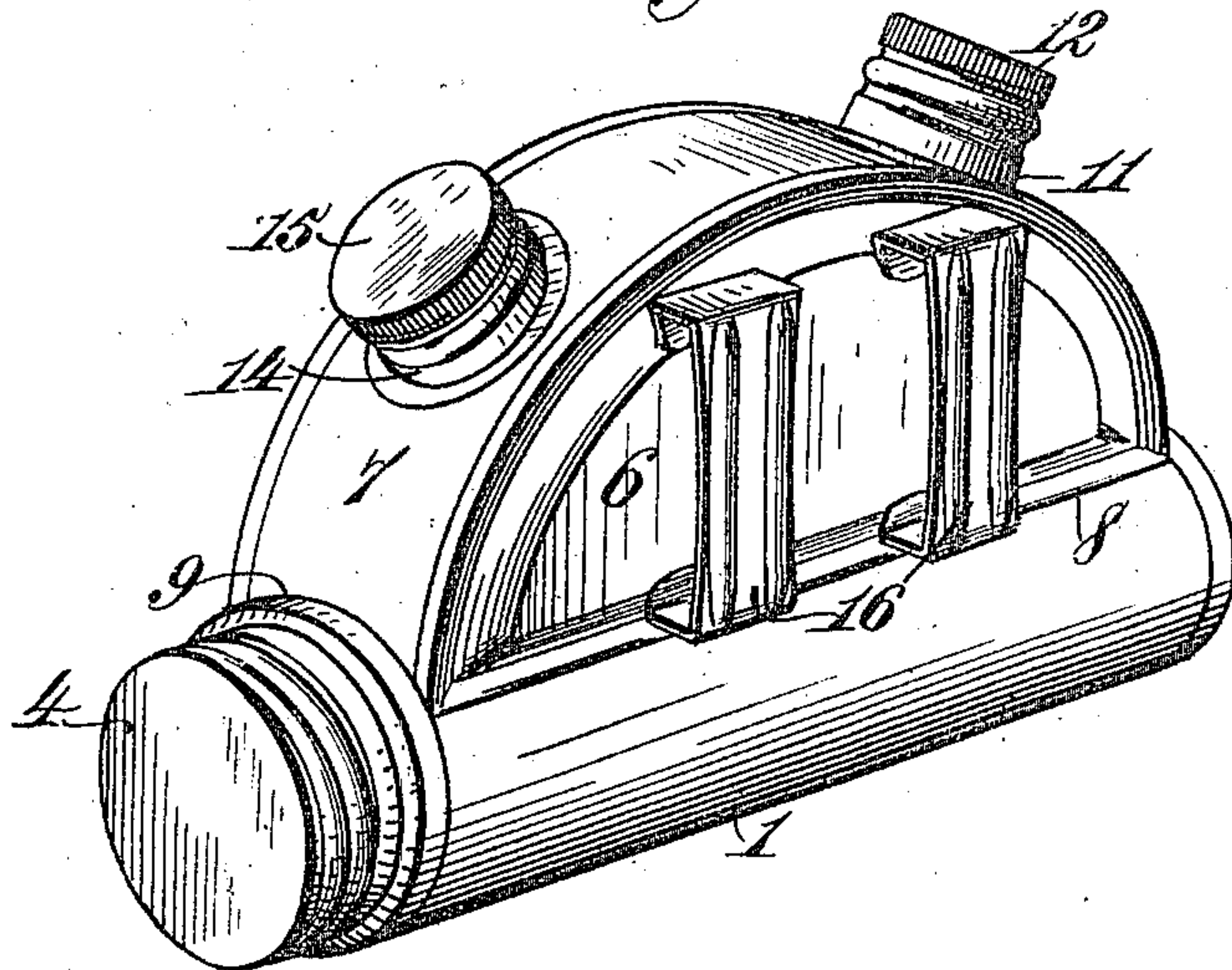


W. M. EDWARDS.  
 COMPARTMENT CANTEEN.  
 APPLICATION FILED APR. 12, 1910.

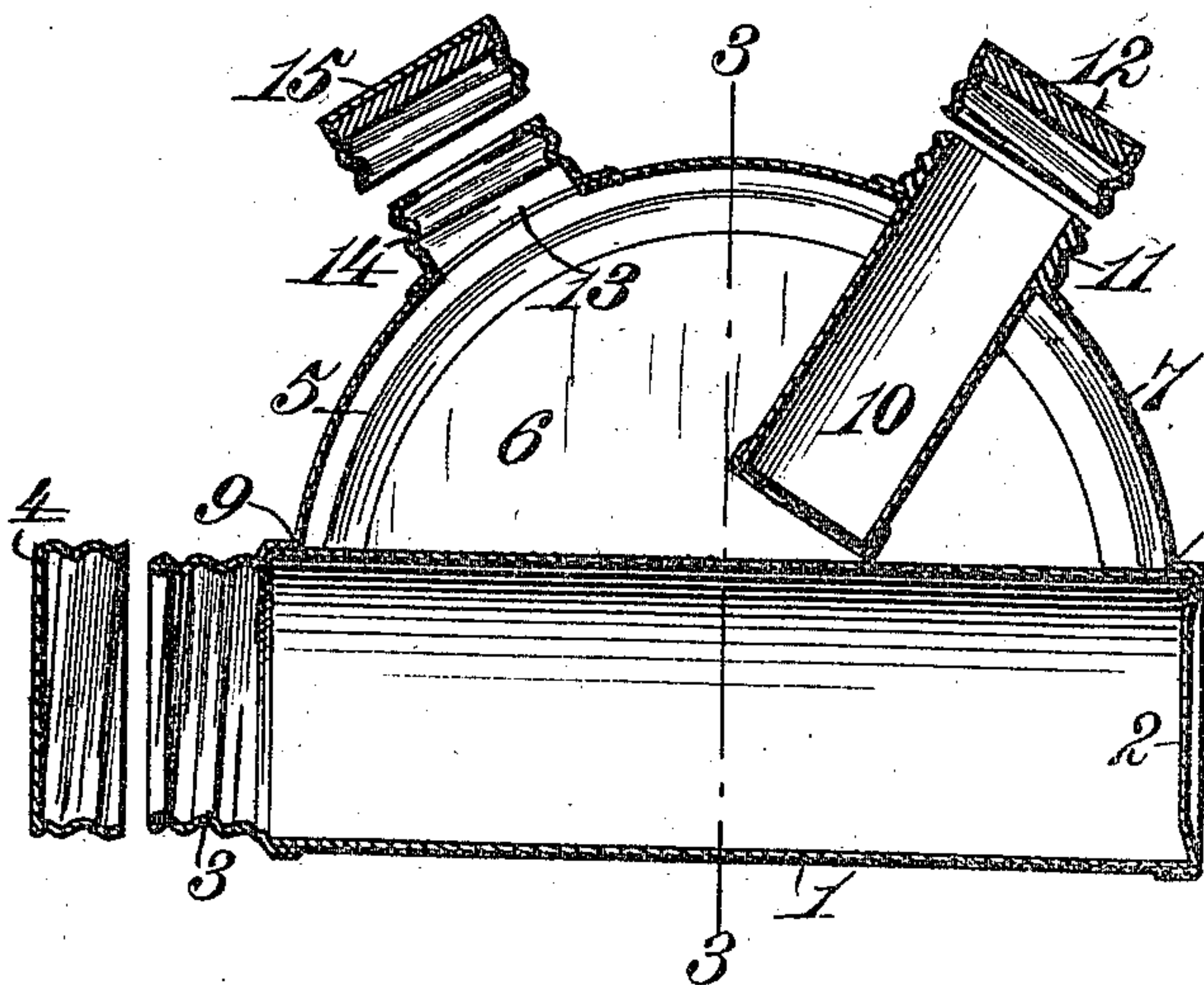
975,939.

Patented Nov. 15, 1910.

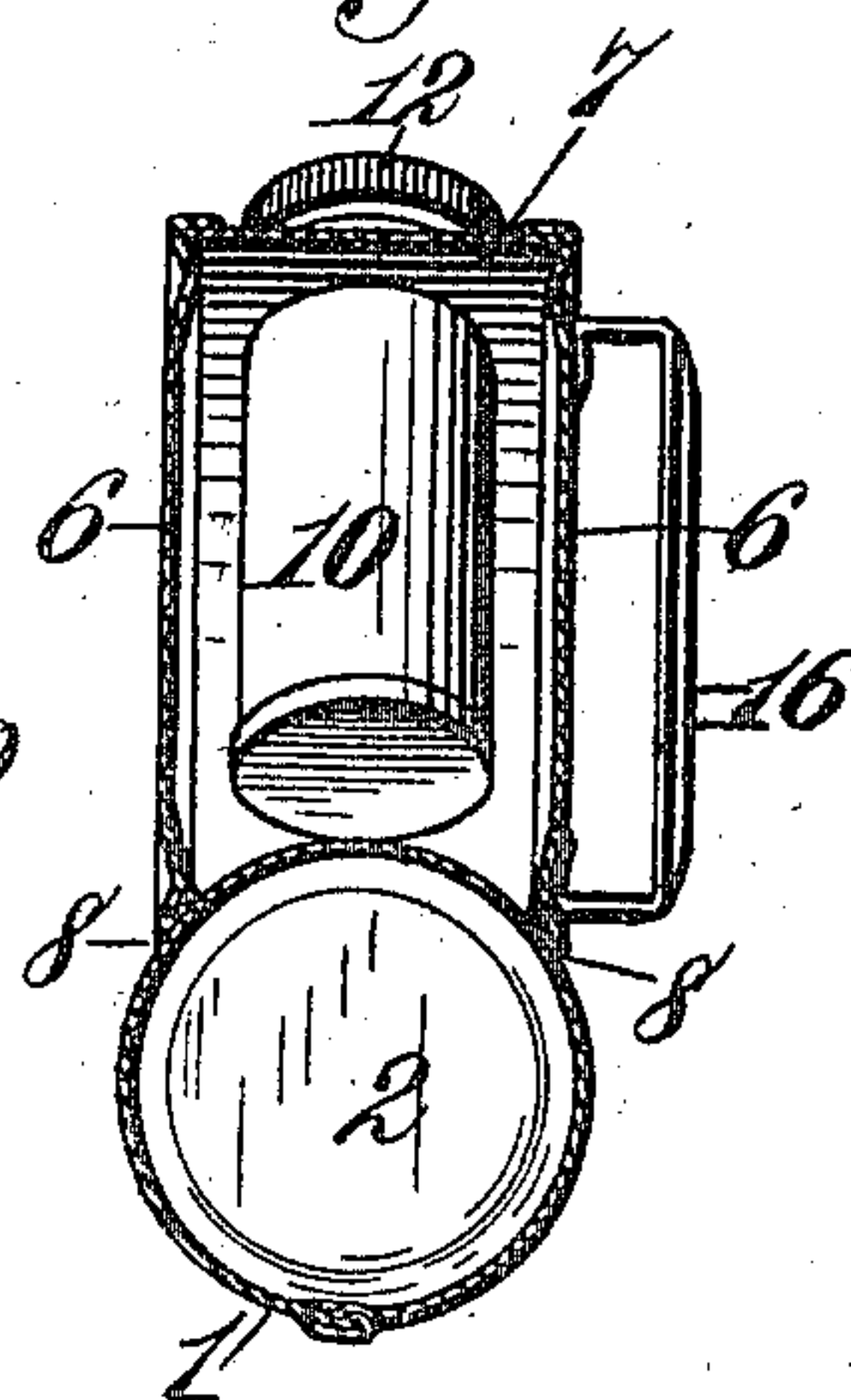
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses.  
 Robert G. Smith,  
*[Signature]*

Inventor.  
 William M. Edwards,  
 By *[Signature]* James L. Morris, Atty.



# UNITED STATES PATENT OFFICE.

WILLIAM M. EDWARDS, OF OTTUMWA, IOWA, ASSIGNOR TO HARDSOCG MFG. CO., OF OTTUMWA, IOWA, A CORPORATION OF IOWA.

COMPARTMENT-CANTEEN.

975,939.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed April 12, 1910. Serial No. 555,067.

*To all whom it may concern:*

Be it known that I, WILLIAM M. EDWARDS, a citizen of the United States, residing at Ottumwa, in the county of Wapello and State of Iowa, have invented new and useful Improvements in Compartment-Canteens, of which the following is a specification.

This invention relates to improvements in compartment canteens and it proposes a canteen of such construction with regard to the arrangement of the compartments that it is especially adapted to the needs of miners who use carbid lamps.

The canteen herein proposed embodies separate compartments, which, in the use above referred to, may contain water, carbid and matches. These compartments are arranged in a novel and compendious manner and this arrangement depends upon novel features of construction which will be pointed out with particularity and which result in a canteen of superior adaptability to existing needs, for reasons which will presently appear.

In the drawings wherein the improved canteen is fully illustrated, Figure 1 is a detail perspective view; Fig. 2 is a central longitudinal section; and Fig. 3 is a cross section on the line 3—3 of Fig. 2.

Similar characters of reference designate corresponding parts throughout the several views.

The general outline of the canteen is that of a segment and the advantages of this segmental outline will appear as the description proceeds. What may for convenience be termed the "base" or "base portion" of the canteen is designated by the numeral 1 and consists of a cylindrical container, permanently closed at one end by a disk, as 2, and having a threaded neck, as 3, at its other end to accommodate a screw cap, as 4. A portion of the cylindrical wall of the container 1 forms the bottom of a container 5 which is arranged above the container 1 and which is defined by the said wall portion of the latter, a pair of parallel plates, as 6, and a semi-annular wall, as 7. The plates, as 6, are of semi-disk shape and their straight edge portions are permanently joined in any suitable manner to the wall of the container 1 at a suitable distance apart, as at 8. The plates 6 are disposed parallel to the longitudinal axis of said container 1,

and the wall 7 has its side edge portions joined in any suitable manner to the curved edge portions of the plates 6. The latter are coextensive in length with the body of the container 1, and the ends of the wall 7 are joined to said body coincidently with the ends thereof, as at 9 (Fig. 2). The third container which the canteen embodies, is designated by the numeral 10 and consists of a cylindrical body which projects into the container 5 and is fitted in an opening in the wall 7. The container 10, exterior of the wall 7, has a threaded neck portion, as 11, to receive a screw cap, as 12.

Access to the container 5 is had through an opening, as 13, in the wall 7. Circumscribing the opening 13, is a threaded boss, as 14, to receive a screw cap, as 15.

To one of the plates 6, a pair of metal loops, as 16, are attached and these provide for the suspension of the container from the waist-line belt.

It will be observed that the longitudinal axis of the container 10 is parallel to the planes of the plates 6 and is inclined with respect to the minor axes of the containers 1 and 5. This provides for a proper spacing of the closure caps 12 and 15, in order that they may be readily removed and replaced. The neck portion 3 is arranged to project beyond the container 5, in order that the closure cap 4 may be readily manipulated.

In the use for which the improvement was especially originated, the compartment 1 contains water, the compartment 5 contains carbid, and the compartment 10 contains matches.

The canteen is suspended from a miner's belt, in a position wherein the container 1 is above the containers 5 and 10 and where the contents of the latter will drop therefrom by gravity as soon as the screw caps 12 and 15 have been removed. If it is desired to fill the water receptacle of the lamp, the cap 4 is removed from the container 1 and, owing to the horizontal position of the latter, the water will immediately flow out without further manipulation of the canteen, until the flow is stopped by inclining the canteen in the proper direction. If carbid is desired, the cap 15 is removed and the carbid drops or may be shaken from the container 5 until a proper amount thereof has been caught in the hand or in a receptacle. The dropping of the carbid is then



checked by properly inclining the canteen, and quickly replacing the cap 15. In like manner matches may be removed with equal facility from the container 10 when the cap 5 12 has been removed.

The arrangement of the neck 3 to project beyond the container 1 is not only of advantage in that it provides for the ready removal and replacement of the cap 4 but it 10 also prevents water from trickling along the wall 7. This would be disadvantageous since the water, if it were allowed to trickle along said wall, would mix with any carbide dust which might have accumulated on or 15 adhered to the wall, and thus develop a small percentage of acetylene gas which would foul the surrounding air.

It will be apparent from the foregoing description that the particular form of canteen herein proposed, has a number of advantages in the use contemplated and which cannot be derived from any ordinary multiple compartment canteen; *e. g.* the compartments are self-draining; no manipulation other than the removal and replacement of the screw caps is necessary; the canteen need not be removed from the belt except when it is being filled; the screw caps are arranged, practically, at proper intervals 30 along a circular arc, and this arrangement provides for quick accessibility to each screw cap and for the manipulation of the same, without scraping the fingers against the adjacent caps; the curved wall 7 of 35 course eliminates any corners or projections which might otherwise intervene between the screw caps and render the lower screw caps difficult of access; the device is exceedingly compact and easy to handle and is of 40 no inconvenience to the user when worn on a belt, by virtue of its shape and its maintained "flatwise" vertical disposition; it is simple in its structural details, inexpensive to manufacture, and strong; the compartments are independent and by virtue of 45 their arrangement are incidentally proportioned with regard to the character of the material which they contain; and the canteen embodies no hinge joints, slides or other 50 features which would be liable to disarrangement or would in any way interfere with a water-tight and an air-tight closure of the compartments and a water-tight sep-

aration of the compartments from one another. 55

Having fully described my invention, I claim:

1. A canteen of the class described comprising an elongated container constituting a base and having a permanently closed end, 60 a screw cap closure for the other end of the container, a pair of plates of semi-disk shape disposed in parallel planes and having their straight edge portions permanently secured to the container along lines parallel to the 65 longitudinal axis of the container, a semi-annular wall joined to the curved edges of the plates and having its ends joined to the container, the said plates and curved wall and the portion of the container wall intervening between the lines of attachment of 70 said plates, defining a second container, the curved wall having an opening and a threaded boss circumscribing the opening, and a screw cap closure coacting with the threaded boss to close the opening. 75

2. A canteen of the class described, comprising an elongated container constituting a base and having a permanently closed end, a screw cap closure for the other end of the 80 container, a pair of plates of semi-disk shape disposed in parallel planes and having their straight edge portions permanently secured to the container aforesaid along lines parallel to the longitudinal axis of the container, a semi-annular wall joined to the 85 curved edges of the plates and having its ends joined to the container, the said plates and curved wall and the portion of the container wall intervening between the lines of attachment of said plates defining a second container, the curved wall having an opening and a threaded boss circumscribing the opening, a screw cap closure coacting with 90 the threaded boss to close the opening, a third container set into the curved wall and having a neck portion, and an exteriorly disposed closure cap removably associated with the neck portion. 95

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses. 100

WILLIAM M. EDWARDS.

Witnesses:

THAD. K. HARLAN,  
PAUL P. ACKLEY.