

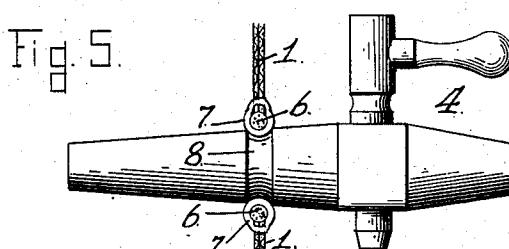
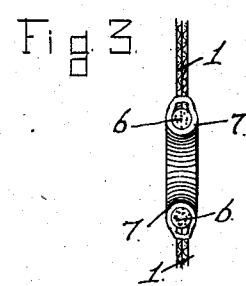
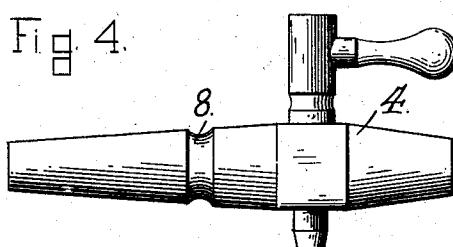
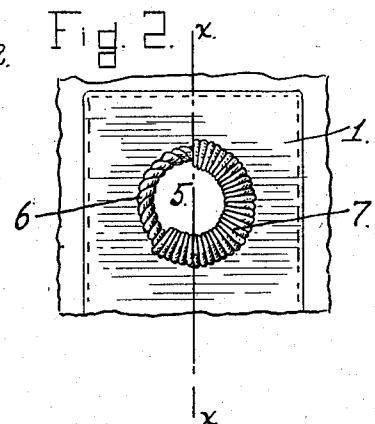
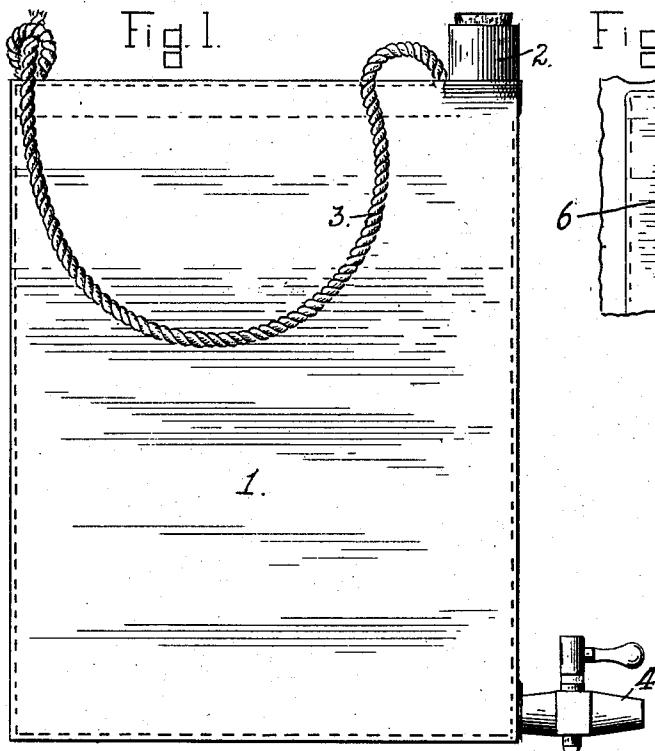
E. B. THORNING.

WATER BAG.

APPLICATION FILED NOV. 8, 1910.

994,287.

Patented June 6, 1911.



Witnesses

Arthur L. Lee.  
S. Constance.

Inventor

Edwin Bray Thorning  
by James F. Booth  
his Attorney

# UNITED STATES PATENT OFFICE.

EDWIN BRAY THORNING, OF ALAMEDA, CALIFORNIA, ASSIGNOR TO WALTER A. PLUMMER, OF SAN FRANCISCO, CALIFORNIA.

## WATER-BAG.

994,287.

Specification of Letters Patent. Patented June 6, 1911.

Application filed November 8, 1910. Serial No. 591,243.

To all whom it may concern:

Be it known that I, EDWIN BRAY THORNING, a citizen of the United States, residing at Alameda, in the county of Alameda and State of California, have invented certain new and useful Improvements in Water-Bags, of which the following is a specification.

My invention relates to that class of water-bags which are made of some textile fabric and provided with a filling inlet at the top and with a suitable carrying rope. These bags are much used in dry localities, and during trips upon which it is necessary or desirable to carry water; and, on account of their lightness, strength and general cooling properties are well adapted for such use.

Ordinarily, the inlet at the top is used not only as the filling aperture, but also, by tipping the bag, is used for the discharge. But with extra large bags particularly, this is an inconvenient operation, and I have, therefore, in order to remedy this, provided the bag with a drawing-off faucet. As these bags are made of canvas or other suitable textile fabric, the insertion and connection of such a faucet to render it secure and tight is a problem the solution of which is by no means obvious.

Accordingly, my invention consists primarily in a water-bag of this type, as a new article of manufacture, provided with a drawing off faucet, and also it consists in the novel connection of said faucet, as I shall hereinafter fully describe, by reference to the accompanying drawings in which—

Figure 1 is a view of my improved water-bag. Fig. 2 is a view of a fragment of the bag material showing the faucet receiving aperture therein, the encircling rope-gromet, and the waxed thread over-stitching the same, a portion of the thread being broken away to show the gromet. Fig. 3 is a vertical section on the line  $x-x$  of Fig. 2. Fig. 4 is a view of the faucet showing the groove in its shank. Fig. 5 is a sectional view showing the faucet in place.

1 is the water-bag made of some suitable textile fabric, said bag being provided at

one corner of its top with the inlet 2, and 50 having also suitably secured to its top the carrying and hanging rope 3.

In one of the lower corners of the bag is fitted the drawing-off faucet 4. This may be of any suitable construction, though in practice it is best as a wooden faucet.

The means for fitting and tightly securing the faucet in the bag are as follows:— A hole 5, as seen in Fig. 2, is made in the bag. Then around this hole is laid a rope-gromet 6, the interior diameter of which is made sufficiently smaller than the exterior diameter of the faucet shank to provide for a tight fit. Thread 7, best waxed, is then over-stitched upon the gromet and through 60 the bag, all around the gromet. The faucet 4, the tapered shank of which is formed with a circumscribing groove 8 is then inserted by driving forcibly said shank into the over-stitched gromet, until the latter seats itself 65 tightly in the groove 8. This forms a secure connection under all conditions, and it is especially tight under the swelling of the parts when wet.

Thus, my improvement though adding 75 little to the cost of the bag, increases materially its usefulness, by enabling water to be drawn under the most convenient circumstances.

Having thus described my invention what 80 is claimed as new and desired to be secured by Letters Patent is—

1. A water-bag of the class described, made of textile fabric and provided with a hole in its lower portion, a rope gromet 85 bordering the hole, thread over-stitching the gromet and securing it to the bag, and a faucet the shank of which is fitted tightly in the over-stitched gromet.

2. A water-bag of the class described, 90 made of textile fabric and provided with a hole in its lower portion, a rope gromet bordering the hole, thread over-stitching the gromet and securing it to the bag, and a faucet the shank of which is formed with a 95 circumscribing groove which when said shank is forced into the over-stitched gromet forms a seat for said gromet.

3. A water-bag of the class described, made of textile fabric and provided with a hole in its lower portion, a gromet in said hole and secured to the bag, and a faucet the shank of which is formed with a circumscribing groove which when said shank is forced into the gromet forms a seat therefor.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWIN BRAY THORNING.

Witnesses:

Wm. F. BOOTH,  
D. B. RICHARDS.

---

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."

---