E. OVER.

NOZZLE FOR WATER BAGS.

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1,014,607. Patented Jan. 9, 1912.

WITNESSES:

A. J. Matter
B. A. Matter

INVENTOR

Ernest Over

ATTORNEY
To all whom it may concern:

Be it known that I, Ernest Over, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Nozzles for Water-Bags, of which the following is a specification.

My invention relates to improvements in nozzles for water bags, and the like; and has for its object to provide a nozzle which is non-breakable and which is so constructed that the canvas or other material of which the bag is composed, may be secured thereon, by the use of the ordinary sewing machine, and without the need of sewing by hand. I attain these objects by the mechanism illustrated in the accompanying drawing, in which—

Figure 1, is a top plan of my improved nozzle. Fig. 2, is a longitudinal sectional view. Fig. 3, is a side elevation. Fig. 4, is an elevation at the rounded end.

Similar characters refer to similar parts throughout the several views.

In the drawing, 1 represents the top or head portion of the nozzle, which is provided with the opening 2. This opening may be closed by the use of a stopper, made in the usual manner.

3 is a base portion of the nozzle and is formed by extending one end thereof, a distance approximately equal to the diameter of the nozzle, in cross section. The side or edge of the base is reduced from the bottom upward as shown at 5, thus forming a shoulder 6 at the bottom of the head portion. The base is gradually tapered from the body of the nozzle until the sides meet at the point 4.

The nozzle is made preferably of India rubber, but may be made of other flexible material; and is sufficiently solid to retain its shape under ordinary pressure, and, being of rubber, is non-breakable. The surface is comparatively hard and is smooth and it will not absorb the materials contained in the bottle, nor collect particles on its surface. It is, therefore, in all respects sanitary.

In placing the nozzle in position, a corner of the canvas bag, or bottle, is left open, with its edge folded inward to form a hem. The base of the nozzle is inserted into the opening of the bag and the hem of the latter is pressed into the recess 5, with its edge against the shoulder 6, as shown in dotted lines in Fig. 3. The canvas is then drawn tightly over the base of the nozzle and with the ordinary sewing machine it may be quickly sewed, the shoe of the machine passing up against, or even upon, the pointed base of the nozzle, without injury, either to the nozzle or to the machine. Thus by a single operation, the nozzle is quickly and effectively secured in place, by the machine.

What I claim as new and desire to secure by Letters Patent, is:

1. A nozzle having an enlarged head portion, and a base portion rounded at one end and elongated to a point at the other, substantially as described.

2. A nozzle having an enlarged head portion, and a base portion which is rounded at one end and elongated to a point at the other, the sides of which being reduced toward the head portion to form a shoulder therewith, substantially as described.

3. A nozzle for water bags composed of flexible material, having an enlarged head portion, a base portion which is rounded at one end and elongated to a point at the other, and a recess between said head and base portions adapted to receive the hem of the material forming the water bags, substantially as described.

4. A nozzle for water bags, composed of flexible material, and consisting of head and base portions, the base being rounded at one end to conform to the head portion, and elongated at the other extending to a point, and the edge of the base being reduced toward its axial center to form a shoulder at the head portion, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

WITNESSES:

M. Reynolds,
J. T. Ellis.

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