

ALBIN WARTH.

Improvement in Taps for Liquid Packages.

No. 116,245.

Patented June 20, 1871.

Fig. 1.

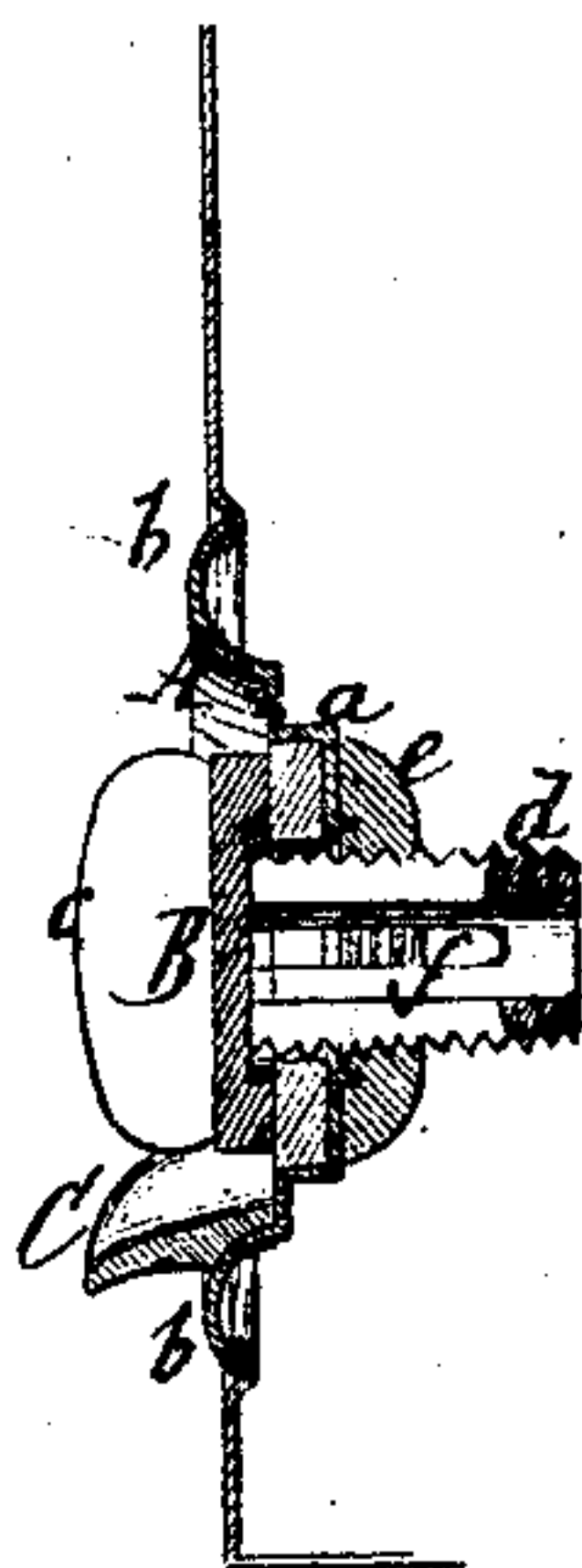


Fig. 2.

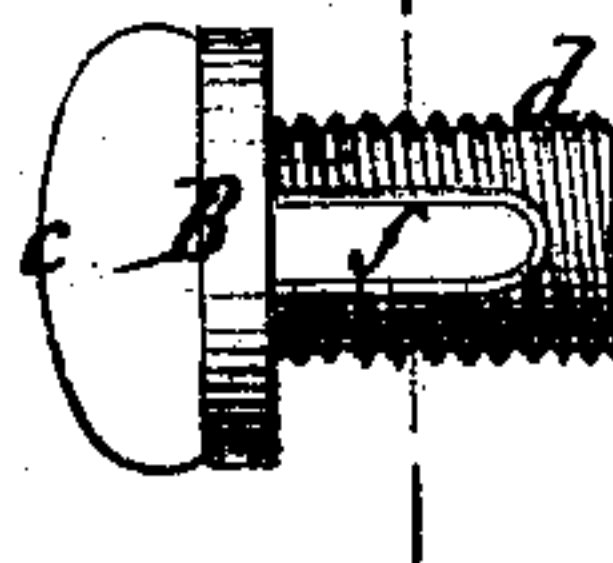
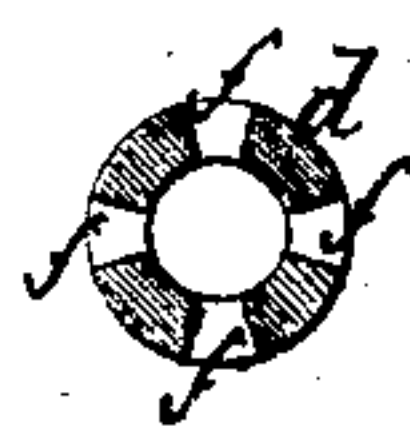


Fig. 3.



Witnesses.

C. Mahlers.

E. F. Kastenhuber

Inventor.

Albin Warth

*per
Van Santvoord & Haef
Attys*

UNITED STATES PATENT OFFICE.

ALBIN WARTH, OF STAPLETON, NEW YORK.

IMPROVEMENT IN TAPS FOR LIQUID PACKAGES.

Specification forming part of Letters Patent No. 116,245, dated June 20, 1871.

To all whom it may concern:

Be it known that I, ALBIN WARTH, of Stapleton, in the county of Richmond and State of New York, have invented a new and Improved Tap for Liquid Packages; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a central section of this invention. Fig. 2 is a side view of the valve detached. Fig. 3 is a transverse section of the tubular screw-shank of the valve.

Similar letters indicate corresponding parts.

This invention consists in a valve provided with a perforated tubular screw-shank screwing in a thread on a disk, which forms the seat for the valve in such a manner that when the valve is raised from its seat the liquid contained in the package to which said valve is attached will discharge through the tubular shank of said valve, which serves the double purpose of a vent and of a discharge-opening. The disk, which forms the seat of the valve, has cast on it a nut to receive the tubular screw-shank of the valve in such a manner that the entire tap can be manufactured cheap, and, at the same time, the valve will close tight.

In the drawing, the letter A designates a disk, by preference made of tinned sheet-iron, and provided with a central depression, *a*, and a flange, *b*. The flange *b* serves to secure the disk to the side of a liquid package, and the depression *a* forms the seat for the valve B. This valve is provided with a finger-piece, *c*, and with a tubular shank, *d*, which extends through a central hole in the disk A and screws into a nut, *e*, secured to said disk. The tubu-

lar shank *d* is perforated with holes *f* in its sides, and the nut *e* is, by preference, made of soft metal, such as an alloy of tin and lead or Babbitt-metal, which, when cast on the disk A, will firmly adhere to the same, and which can be cast round a mandrel equal in diameter to the screw-shank of the valve, so as to save the labor of tapping. In the drawing the nut is shown on the inner surface of the disk A, but it may be applied to the outer surface thereof; and in this case it will be necessary to provide the screw-shank *d* with a finger-piece at its end opposite to the valve. By turning the valve in the proper direction it is brought to bear up against its seat and the package is closed, and by turning the valve in the opposite direction the package is opened, and its contents are free to discharge through the tubular shank and through the perforations in its sides, these perforations being so arranged that one or more of them form the discharge-openings and one or more the vent-holes for the admission of air to the package. The disk A is also provided with a spout, C, which is, by preference, cast thereon of soft metal, so that the liquid, in discharging, is prevented from running down on the sides of the package.

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

The tap for liquid packages, consisting of the perforated screw-shank B, forming both the discharge-valve and vent, the sheet-metal disk A, and the soft-metal nut *e* formed on the disk A to receive the tube B, all as herein set forth and shown, for the purpose specified.

ALBIN WARTH.

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.