

ALBIN WARTH.

Improvement in Taps for Liquid Packages.

No. 116,244.

Patented June 20, 1871.

Fig 1

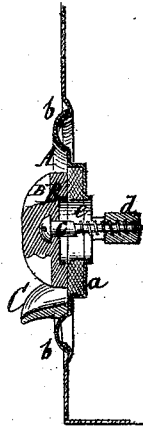
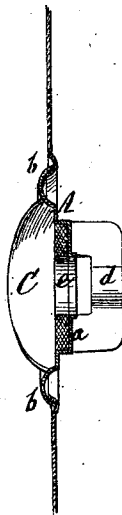


Fig 2.



Witnesses.

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IMPROVEMENT IN TAPS FOR LIQUID PACKAGES.

Specification forming part of Letters Patent No. 116,244, 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 vertical central section of this invention. Fig. 2 is a similar section in the plane indicated by the line *xx*, Fig. 1, the valve and its screw having been removed.

Similar letters indicate corresponding parts.

This invention relates to a tap for liquid packages, composed of a disk, which forms the seat for the valve, and to which are secured a discharge-spout and a bridge for the support of the screw, by means of which the valve is operated. The bridge and spout are cast on the disk, which forms the valve-seat, so that the whole tap can be made in the cheapest possible manner; and yet a device is obtained which allows of opening the package and drawing off the whole or any part of its contents, and also of closing the same hermetically for transportation or otherwise.

In the drawing, the letter A designates a disk, which is, by preference, made of tinned sheet-iron, and provided with a central depression, *a*, and with a flange, *b*. This flange serves to secure the disk to the package by means of solder or otherwise, while the depression *a* forms the seat for the valve B. This valve is, by preference, made of soft metal, such as a compound of lead and tin, or of Babbitt metal, which is cast on the head of an ordinary wood screw, *c*, which screws into a bridge, *d*, secured to the disk A. This bridge is, by preference, made of soft metal cast on the disk and over the screw, so that the labor of soldering the same on the disk and also the labor of cutting the thread are saved. The depression

a of the disk is provided with a central aperture, *e*, to allow the contents of the passage to discharge when the valve is raised from its seat. A suitable finger-piece, cast or otherwise formed on the back of the valve, serves to turn the same, together with the screw, and, by turning it in the proper direction, the valve is raised from or depressed on its seat. On the surface of the disk A is formed a spout, C, which is, by preference, made of soft metal and cast on said disk, so that the labor of making the tap is reduced to a minimum. It will be readily seen that the bridge *d* may be placed either on the inside of the disk A, as shown in the drawing, or on the outside thereof; but in the latter case the seat of the valve would be on the inner surface of the depression *a*, and the screw *c* would have to extend through said bridge a sufficient distance to allow room for a finger-piece and for the motion of the valve. By casting the bridge and the spout on the disk A the cost of making the tap is materially reduced, and a tap is obtained which closes tight and which can be furnished at a very low figure.

I do not claim a tap, composed of sheet metal, in the form of a dome, provided with a sheet-metal nozzle, and having a valve upon the under surface opening directly into the can, with its screw-shank passing upward through the dome to receive an exterior lock-nut, as I am aware the same is not new. Neither do I claim a bridge on the under surface of the valve-seat to form a guide for the shank of the valve; but

What I do claim is—

The tap for liquid packages, constructed, as described, of the valve B, formed on the head of the wood screw *c*, and the sheet-metal disk A, provided with the spout C, and the bridge *d* forming the nut for the valve-moving screw, all as herein set forth.

ALBIN WARTH.

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.