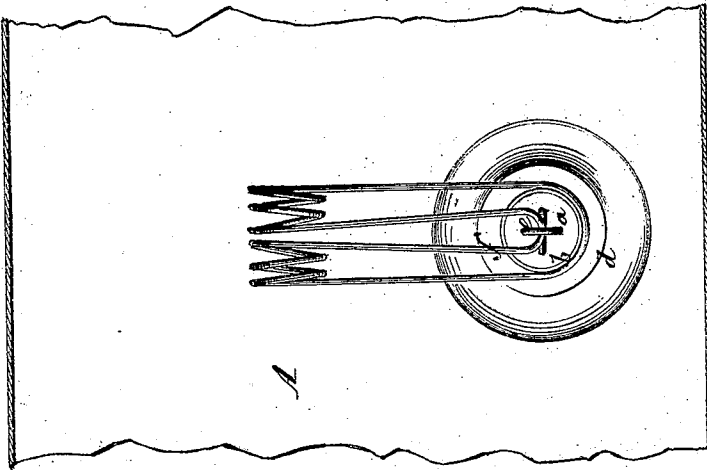


A. WARTH.
TAP FOR LIQUID PACKAGES.

No. 105,150.

Patented July 5, 1870.

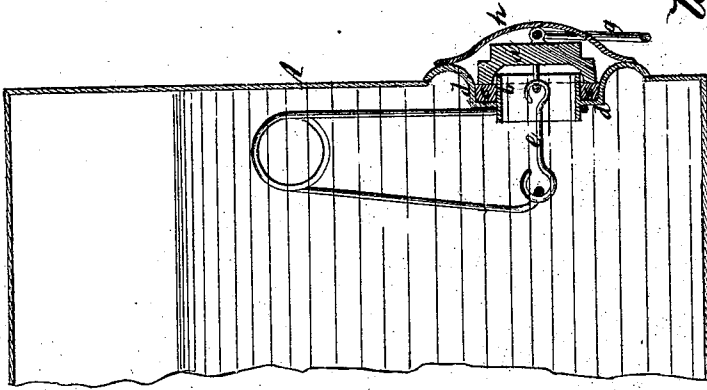
Fig: 2



Inventor.

Albin Warth's
By Paul Antonson *March*
his Atty

Fig: 1



Witnesses.

C. Wahlers.
E. F. Hastenhuber

United States Patent Office.

ALBIN WARTH, OF STAPLETON, NEW YORK.

Letters Patent No. 105,150, dated July 5, 1870.

IMPROVEMENT IN TAPS FOR LIQUID PACKAGES.

The Schedule referred to in these Letters Patent and making part of the same.

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 transverse section of this invention.

Figure 2 is an inside view of the same.

Similar letters indicate corresponding parts.

This invention relates to an improvement in that class of taps for liquid packages for which a patent was granted to me April 19, 1870, and numbered 102,188.

My present improvement consists in the arrangement of a cap fitting over a spout on the outside of the package, and bearing on a seat round said spout, in combination with a link passing through the spout, and connected to a spring secured in the interior of the package, in such a manner that, by the action of said spring and link, the cap is firmly drawn up against its seat and the package is closed, and by raising the cap against the action of its spring the package is opened, and the liquid contained therein is allowed to discharge through the spout.

When the cap is closed it may be locked by a strap passing over it, and soldered or otherwise secured to the face of the package.

In the drawing—

The letter A designates the side of a liquid package, in which the tap is secured.

This tap consists essentially of a cap, *a*, which fits over a spout, *b*, and closes down upon the seat *c*, formed on the outer surface of a plate, *d*, which sup-

ports the tap, and which is soldered or otherwise secured to the side A of the package.

From the cap *a* extends a link, *e*, through the spout, connecting to a spring, *f*, which is secured in the interior of the package in any convenient position, and which is so constructed that it draws the cap firmly up against its seat.

The seat is formed round the spout *b*, and it is packed with leather or other suitable material, so that, when the cap is drawn down upon it, a tight joint will be formed between it and the edge of the cap.

The spring *f* may be made in the form shown in the drawing, or in any other desirable form or shape, and it may be secured to the supporting-plate *d*, or to the interior surface of the side A of the package.

To the cap *a* is secured a bale or handle, *g*, by means of which said cap can be drawn back from its seat, so as to open the spout *b*, and allow the contents of the package to discharge.

The cap may be secured in its closing position by a strap, *h*, which is soldered or otherwise fastened to the outer surface of the side-plate A, or of the supporting-plate *d*, and which serves to secure the cap firmly during the transit of the package, and which also, in some measure, prevents adulteration of the contents of the package.

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

The combination with cap *a*, spout *b*, seat *c*, and plate *d*, of the spring *f*, arranged within the package A, so as to press the cap *a* upon its seat, but not interfere with the free discharge of the liquid, substantially as and for the purpose described.

ALBIN WARTH.

Witnesses:

W. HAUFF,
C. WAHLERS.