

H. W. LOVE & J. TALLEY, Jr.

Liquid Vents.

No. 152,565.

Patented June 30, 1874.

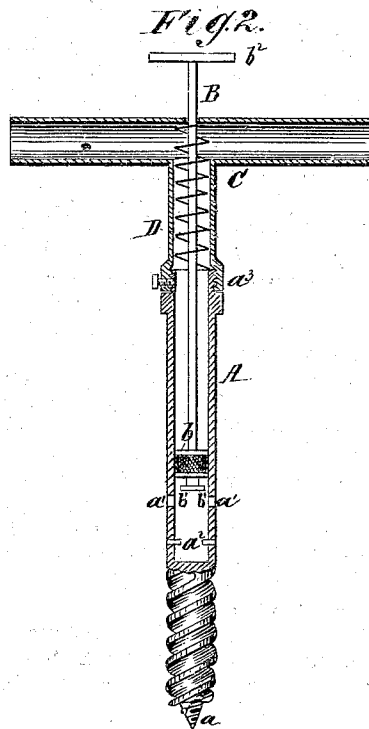
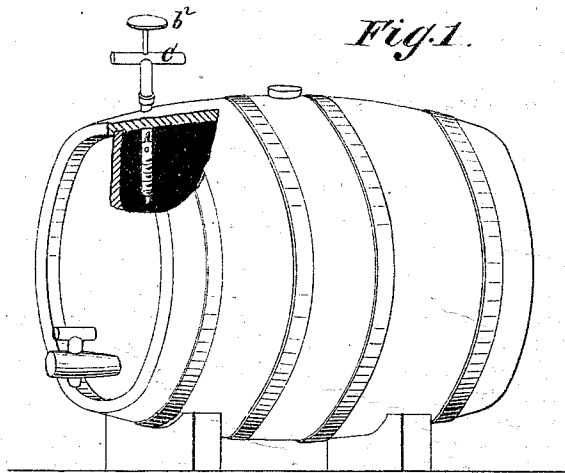


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN LIQUID-VENTS.

Specification forming part of Letters Patent No. **152,565**, dated June 30, 1874; application filed June 5, 1874.

To all whom it may concern:

Be it known that we, HIRAM W. LOVE and JAMES TALLEY, JR., of Kansas City, in the county of Jackson and State of Missouri, have invented a new and Improved Liquid-Vent; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a side elevation partly broken away, and Fig. 2 mainly a vertical section.

The invention relates to means by which air may be readily introduced into a barrel, keg, or vessel of liquid in order to counter-balance the air-pressure at the outlet, and thus admit a free flow of the liquid from the vessel.

The invention will first be fully described in connection with all that is necessary to a full understanding thereof, and then pointed out in the claims.

A represents a tube having a gimlet-bit, a , side holes a^1 a^1 , opposite side projections a^2 a^2 , and external end thread a^3 . B is a plunger, having the valve b , end flanges b^1 b^1 , and thumb-piece b^2 . C is a T-shaped tube, which screws on thread a^3 , or is held by a set-screw, and may fit on or abut against a shoulder or stop. In order to hold the valve b away from the holes a^1 and uncover the same the coiled retracting-spring D is inserted within tube C, so as to rest at one end against the edge of tube A, and at the other against the middle of cross-tube C.

The operation is as follows: The bit a being forced by rotation into the stave or head

of keg or barrel, the valve b is held by the spring above the hole a^1 , and thus prevents the access of outside air into the vessel. When, however, the cock or spigot is opened to draw the beer, ale, or other liquid the thumb is pressed upon the end piece b^2 , which forces the valve b below the hole a^1 , admits the free ingress of air, and produces an equipoise of atmospheric pressure upon the liquid. If the operator desires to draw for a longer time than it is convenient to hold down the plunger-rod with the thumb, then he turns same rod one half-revolution, so as to bring the opposite end flanges b^1 of rod under the opposite side projections a^2 of tube A, whereby the rod is locked with the valve below the hole or air-vent a^1 .

The advantage of this device is that it is simple, easily made, quickly applied, and may be successively used in any number of barrels, kegs, or other vessels.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination of tube A, having bit a and side vent a^1 , the plunger B, having valve b , and the T-tube C, substantially as and for the purpose described.

2. The combination of the opposite side projections a^2 a^2 , on the inside of tube A, with the opposite end flanges or plunger B, as and for the purpose specified.

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Witnesses to both signatures:

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