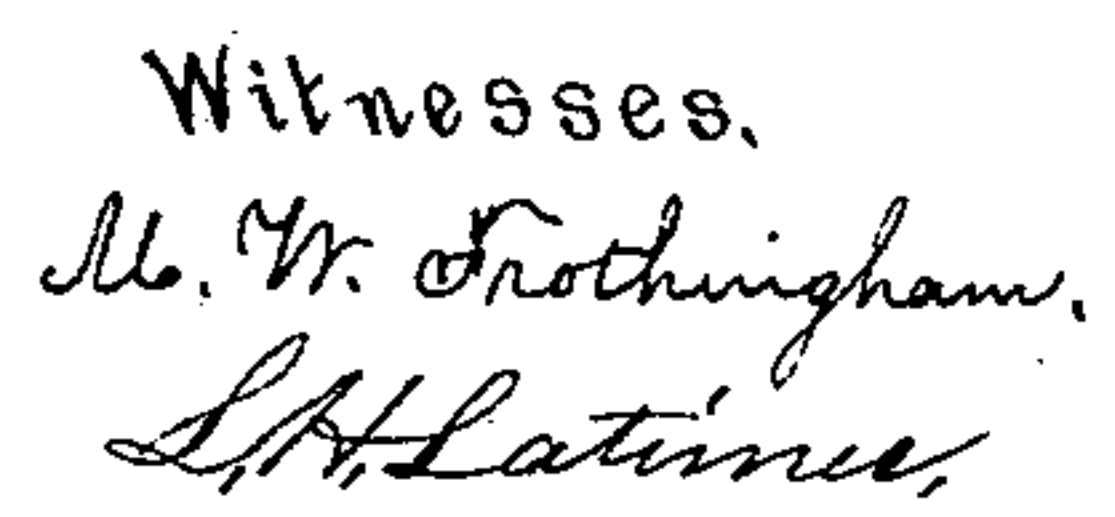


Protected Faucets.

Patented Dec. 17, 1872.



Inventor:
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By his Attys.
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UNITED STATES PATENT OFFICE.

PHILIP A. SCHWARZ, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN PROTECTED FAUCETS.

Specification forming part of Letters Patent No. 134,102, dated December 17, 1872.

To all whom it may concern:

Be it known that I, PHILIP A. SCHWARZ, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Applying Faucets to Casks; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

In the use of barrels and casks for containing liquids, and more especially with such as are repeatedly filled and refilled, and transported to and from breweries, stores, &c., for such purpose, it is very desirable to have a provision for drawing off the liquid from a cask which shall be a permanent attachment to the cask or barrel, and shall not project from the cask in such manner as to be susceptible of injury by transportation. For this purpose I use a short tubular case, preferably made of metal, and open and flanged at its outer end, which case is driven through the head or through one of the staves, (its flange being fastened to the outer surface of the head or stave and its open end being covered by a suitable cap,) the inner end of said tube being closed, but having passing through it a tube in the outer part of which, within the case, is a cock or valve for controlling the flow of the liquid. It is in such a cock-containing case for application to a cask that my invention primarily consists.

The drawing shows a device embodying the invention.

A shows an end view of the open case and the cock for controlling the flow of the liquid. B is a sectional elevation of the case and cock, the case being applied to the head of a cask, and its mouth being closed or covered by a cap. C is a similar view, showing the case as open and the cock turned for discharge of the liquid.

a denotes a short cylindrical and tubular metal case, at the rear end of which is a head, *b*, while at the front end is a flange, *c*, containing holes *d*, through which suitable screws pass to fasten the case *a* to the cask, a hole being bored in the staves or head just large enough to receive the tube *a*. Through the center of the case a liquid-discharging tube,

o, passes, the inner end of said tube extending through the head *b*, while near its outer end is a cock, *e*, or a valve controlled by a plug, *x*, the mouth *f* of the valve-tube being back of the plane of the front of the flange *c*, and the plug *x*, having at one end a head, *g*, with provision for turning it, which provision may be a hole or holes *h*, for receiving a rod or lever, *i*. The valve-containing case being applied and fastened to the cask, a cap, *l*, may be screwed upon the case to make a finish to prevent entrance of foreign matters into the case and to conceal and protect the cock. This cap may be made with provision for locking it to the case, so that none but an authorized person can obtain access to the cock. When the cap is removed and the liquid is to be drawn a directing-tube, *k*, may be applied to the mouth *f*; and the tube *k* may be made in sections, and when not in use may be placed within the tube *a*, as seen at A, for concealment, for convenience, and for preventing them from being broken off, as they would be if the cask were transported with the directing-tube *k* extending therefrom. In applying the tube *a* an impervious joint may be made between the tube and the cask by means of a rubber or other suitable washer, *m*.

In using the device for a beer-cask the inner end of the valve or liquid tube may extend beyond the case, and may have a strainer applied to it, and the extension of the tube may reach to the bottom of the cask to insure the drainage of all the liquid; and in using it in connection with beer-casks, when air-pressure is used, a second tube may be employed within the same case, or a second case and tube may be used; and for connecting the valve-tube with a dispensing apparatus the connecting-tube may be coupled directly to the mouth-piece by suitable screw-threaded connections.

By the employment of the invention upon beer-casks an immense saving may be effected, as in applying faucets to such casks, and in effecting their removal, the heads and staves are often destroyed, and the casks often burst.

The tube thus incased may be used for charging a cask or other liquid-containing vessel; and in beer-casks, in which air-pressure is used, the charging-tube may also be used for the air-supplying tube. When used for charg-

ing, the tube is preferably made larger than for drawing off the liquid.

I claim—

1. The case containing the cock or valve-tube *o*, substantially as shown and described.

2. In combination with the case and valve-tube, the cap *l*, substantially as shown and described.

3. In combination with the case and valve-tube *o*, the eduction-tube *k*, substantially as shown and described.

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Witnesses:

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