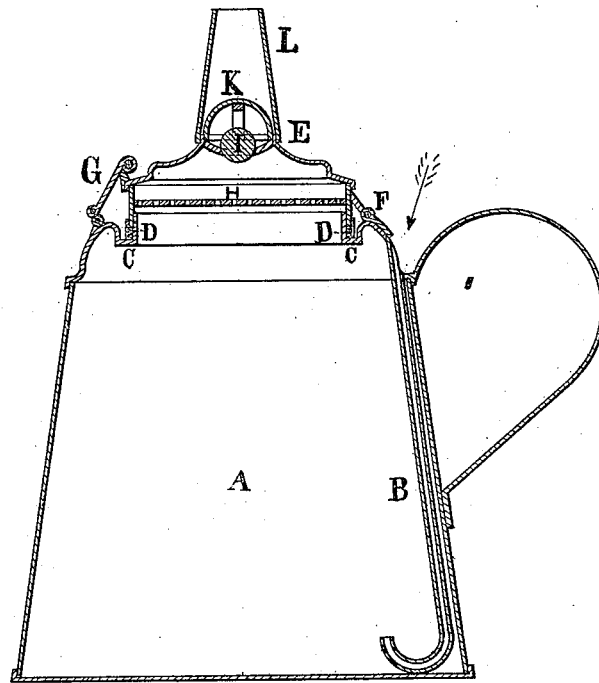


S. CROWELL.
Ale-Pitcher.

No. 199,188.

Patented Jan. 15, 1878.



Witnesses;
C. B. Bowman,
W. E. Derrick

Inventor;
Solomon Crowell,
per W. J. Reid,
att'y.

UNITED STATES PATENT OFFICE.

SOLOMON CROWELL, OF PALMYRA, NEW YORK, ASSIGNOR TO FRANK J. GARVIN, OF SAME PLACE.

IMPROVEMENT IN ALE-PITCHERS.

Specification forming part of Letters Patent No. **199,188**, dated January 15, 1878; application filed November 2, 1877.

To all whom it may concern:

Be it known that I, SOLOMON CROWELL, of Palmyra, in the county of Wayne and State of New York, have invented a new and useful Improvement in Ale-Pitchers, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing.

The object of my invention is to enable the person handling the pitcher to fill a tumbler or other vessel with solid ale from a newly-tapped cask without having to wait until the ale settles, and to preserve the ale in the pitcher from contact with the atmosphere.

Ale-pitchers have been made with diaphragms of perforated metal placed within them; but they are cumbersome and expensive, and do not fully accomplish the purpose.

In the accompanying drawing, which is a vertical section of the pitcher, A is the body of the pitcher, which has an air-tube, B, open at the top on the outside and at the bottom on the inside. The top of the pitcher has a groove, C, in which is placed a ring, D, of soft rubber or leather, against which the lid E closes tightly, and is held in that position by the hinge F and the clasp G. In the lid a diaphragm, H, of perforated sheet metal is secured, and above that I place a small ball-valve, I, guarded by a cage, K. The valve and cage are covered by a spout, L, which, for convenience in cleaning, is made loose enough to be removed and tight enough to prevent leakage; or it may be spun up with the lid.

The entire apparatus, except the ring D and the valve I, can be made of sheet metal, preferably copper or brass. The top and lid can be of spun metal, similar in form to the tops and lids of coffee-pots. Any competent tinsmith can make them.

To operate the pitcher, throw back the lid E, after releasing the clasp G, and draw as much ale from the cask as may be desired into the pitcher; then invert the vessel, and a stream of solid ale will run from the spout, the perforated diaphragm holding back the froth, the solid ale, by its superior gravity, descending to the spout. Air to supply its space is admitted by the tube B. When the pitcher is again placed upon its base the valve I closes and prevents the admission of air, and the ale remaining in the pitcher fills the curved bottom of the tube, thus making the pitcher air-tight.

I claim as my invention—

1. The pitcher A, in combination with the air-tube B and the lid E, into which is secured the diaphragm H.
2. The lid E, in combination with the diaphragm H, the valve I, and the spout L.
3. The lid E, in combination with the elastic ring D in the groove C, substantially as set forth, and for the purpose described.

SOLOMON CROWELL.

Witnesses:

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