

F. H. HOUGHTON.

Liquid Measure.

No. 54,548.

Patented May 8, 1866.

Fig: 1.

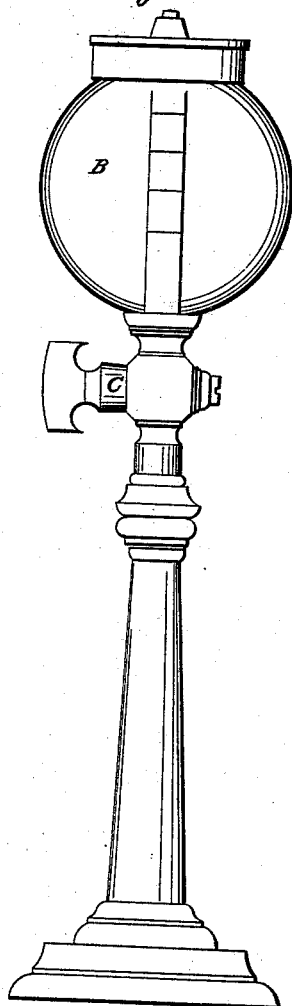
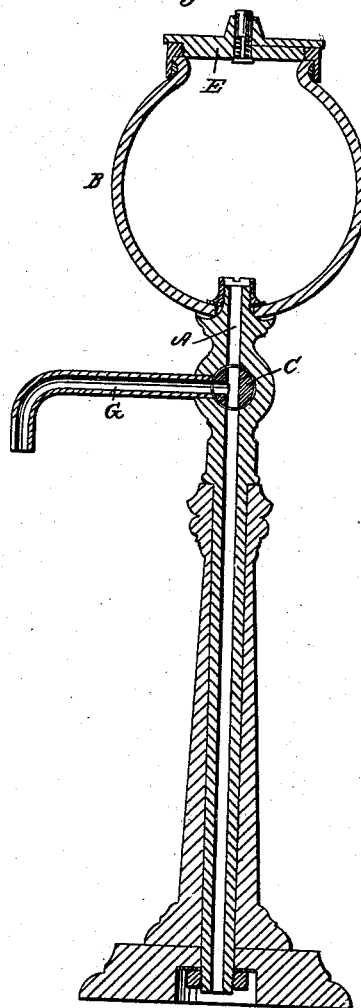


Fig: 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

FRANK H. HOUGHTON, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN APPARATUS FOR MEASURING LIQUIDS.

Specification forming part of Letters Patent No. 54,548, dated May 8, 1866.

To all whom it may concern:

Be it known that I, FRANK H. HOUGHTON, of the city of Brooklyn and State of New York, have invented a new and valuable Improvement in Pumps for Fermented Liquors; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The object of my invention is to provide means whereby any desired amount of liquid in a fermented state may be drawn from the cask and be ready for use without regard to the gas or foam thereon.

To this end I attach to an ordinary beer-pump the devices following, namely: first, a tube (marked A,) which extends from the beer-pump to the glass globe B; second, in this tube I insert the cock C, which has one opening therein extending from side to side, and another at right angles therewith, which extends from one side to the center and intersects the opening first mentioned; third, the glass globe B is constructed with measure-marks on its side, as shown on Fig. 1, and has a movable metallic top thereto and a valve-plug and spring therein, as shown at E on Fig. 2. These measure-marks are designed to indicate the amount of liquor in the globe, and the valve and plug are designed to allow me to draw off the air in the globe when I desire to do so. The conduit or spout of my improvement is marked G.

My device is operated as follows, to wit: I first turn the cock C so that the main port or opening therein shall be on a line perpendicular with the main tube and the other port shall be turned away from the conduit. I then pump as much beer into the globe as I may desire, the amount of which will be indicated by the measure-marks on said globe. It will readily be perceived that having my beer in said globe the gas or foam will rise to the top thereof and enable me to draw off from the bottom of the same free from foam as much as I desire. To draw beer from this globe I turn the cock C till the short port is turned on a line horizontal with the conduit.

My device not only enables me to have as much beer settled and ready for use as I may choose to keep thus ready, thereby saving the time lost in allowing the gas to escape from the top of a measure, but it also furnishes a transparent reservoir, in which the amount on hand may be accurately known.

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

The globe B, with measure-marks thereon, the valve and plug E, and cock C, with double ports, constructed, combined, and arranged substantially as and for the purposes specified.

FRANK H. HOUGHTON.

Witnesses:

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