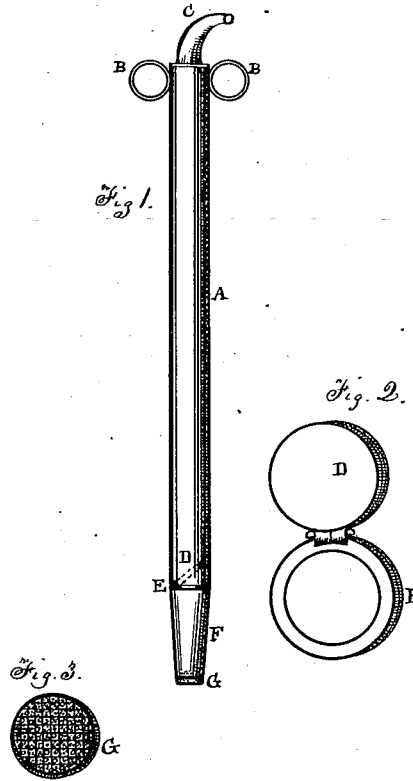


W. F. HELLEN.

Liquor-Tester, Filterer and Emptier Combined.

No. 164,451.

Patented June 15, 1875.



William F. Hellen

INVENTOR

WITNESSES

J. M. Reigart

By

Geo. W. Handcock

J. M. Reigart

Attorney

UNITED STATES PATENT OFFICE,

WILLIAM F. HELLEN, OF BALTIMORE, MARYLAND, ASSIGNOR TO HIMSELF
AND CHARLES McCANN, OF SAME PLACE.

IMPROVEMENT IN LIQUOR TESTERS, FILTERERS, AND EMPTIERS COMBINED.

Specification forming part of Letters Patent No. **164,451**, dated June 15, 1875; application filed
April 28, 1875.

To all whom it may concern :

Be it known that I, WILLIAM F. HELLEN, of the city of Baltimore and State of Maryland, have invented an Improved Liquor Tester, Filterer, and Emptier Combined; and I hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a side elevation of the tester, with the curved spout at top, and the valve and perforated plate or sieve at the bottom. Fig. 2 represents the circular valve as hinged to the circular flange on the inside of the tester. Fig. 3 exhibits the circular plate or sieve at the bottom of the tester.

The nature of my invention is the tubular tester, with its curved spout-emptier at top, valve on the inside near the bottom, and the perforated plate or filterer at the bottom of the tester.

The object of my invention is to insert the tester into a barrel through the bung-hole to draw out any required quantity of liquor, from a half-gill to a quart, by merely thrusting it in and immediately drawing it out, saving the time of sucking up or pumping up the liquor, as the operation of other testers.

A represents the metallic or tin tube, from two to four feet in length, and about an inch and a quarter in diameter, having two circular handles, B B, at top, and a tapering curved emptying-spout, C, as a discharge-pipe, so as to empty the contents of the tube into a bottle without requiring the use of a funnel. D is

the valve-lid, made of leather or any material, jointed or hinged on the inside of the tube A to a circular flange, E, permanently soldered to the inside of the tube, near to the top of the tapering lower end F of the tube A. At the tapered end or point of the tube is a perforated circular plate or sieve, G, permanently soldered onto the inside of the point, completely filling up the point, so that when the tester is thrust down through the bung-hole into the liquor in the barrel no sediment or impurities in the liquor can pass up into the tube A, and as the liquor, by the downward pressure on the tester, is forced upward, the valve-lid D rises and allows the liquor to fill the tube A; and the instant the tester is raised the valve-lid D falls upon the circular ledge or flange E, resting closely and horizontally upon it, completely preventing the liquor from flowing down, the tube A holding the required quantity of liquor, until the top of the tube is turned downward, for the purpose of emptying the liquor through the curved spout C into a bottle or any other receptacle.

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

The tubular tester A, with its curved emptying-spout C at top, valve-lid D, flange E, and filtering-sieve G below, constructed, combined, and operating as herein described, and for the purposes set forth.

W. F. HELLEN.

Witnesses:

J. FRANKLIN REIGART,
E. C. WEAVER.