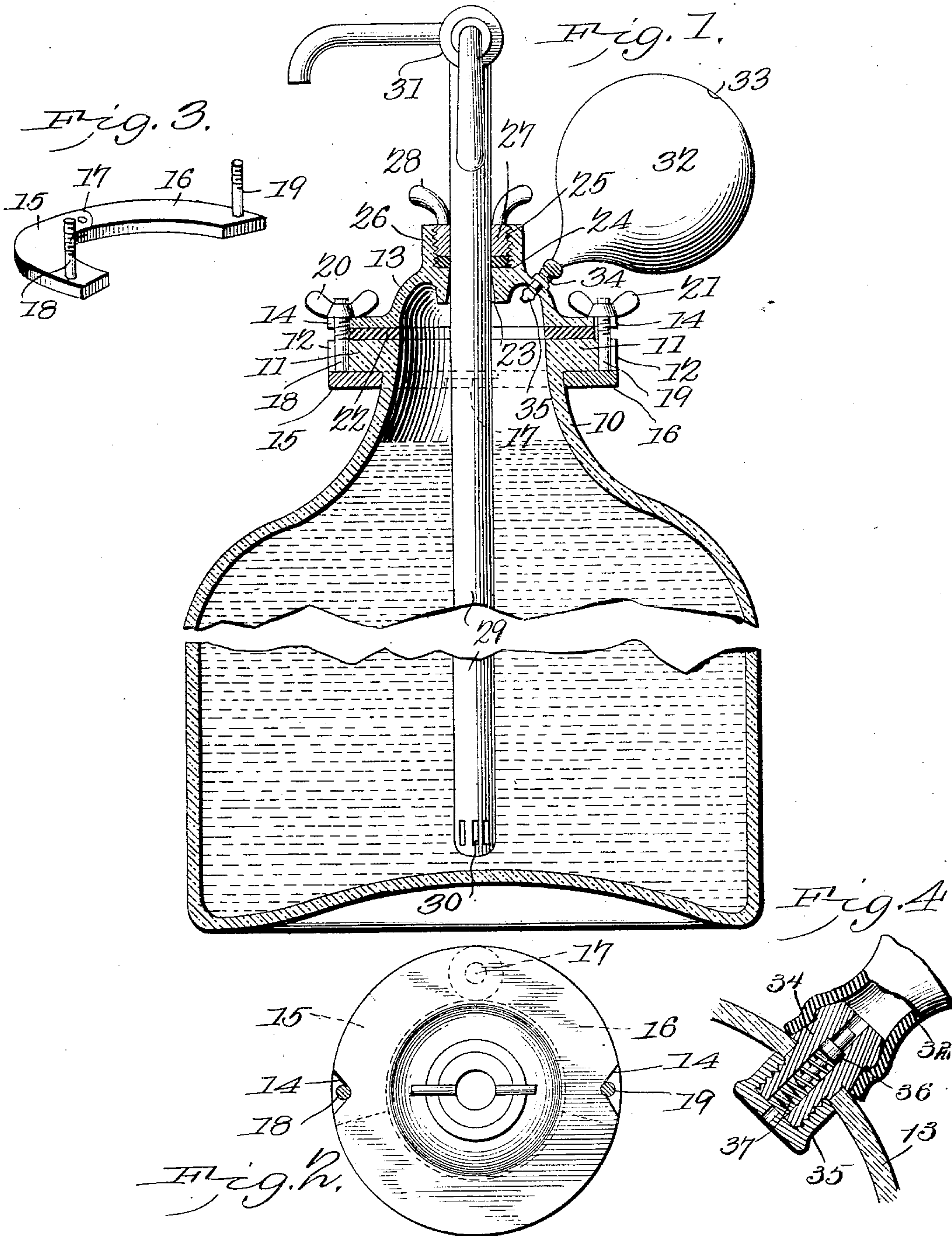


No. 745,876.

PATENTED DEC. 1, 1903.

J. F. MEDLEY.  
LIQUID DISPENSING VESSEL.  
APPLICATION FILED SEPT. 5, 1903.

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOSEPH FERRELL MEDLEY, OF LOUISVILLE, KENTUCKY.

## LIQUID-DISPENSING VESSEL.

SPECIFICATION forming part of Letters Patent No. 745,876, dated December 1, 1903.

Application filed September 5, 1903. Serial No. 172,133. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH FERRELL MEDLEY, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Liquid-Dispensing Vessel, of which the following is a specification.

This invention relates to attachments to vessels from which liquids are to be dispensed at intervals in small quantities, more particularly liquids possessing effervescent qualities—such as beer, ale, carbonated mineral and other waters, and the like—and has for its object to produce a simply-constructed and easily applied and operated device which may be quickly attached to or detached from the vessel and in which the faucet member may be quickly inserted and securely connected without loss of the contents of the vessel.

The invention consists in certain novel features of construction, as hereinafter shown and described, and specified in the claim.

In the drawings illustrative of the invention, in which corresponding parts are denoted by like designating characters, Figure 1 is a sectional elevation of the device applied. Fig. 2 is a plan view with the faucet removed. Fig. 3 is a perspective view of the clamp-ring detached. Fig. 4 is a sectional detail of the air-pressure valve, enlarged.

The vessel to which the device is attached may be of any form or material or compounds of material, but for the purpose of illustration is shown applied to the neck portion 10 of an ordinary bottle having an annular laterally-projecting rim, whereby a flat shoulder 11 is formed, the rim being provided with spaced radial recesses 12, preferably at opposite sides of the vessel, as indicated.

Resting upon the shouldered rim 11 is a closure (represented as a whole at 13) and having radial recesses 14, adapted to register with the recesses 12 when the closure is in position, as shown.

Engaging the under side of the rim 11 is a clamp-ring formed in two segmental portions 15 16, hinged together at 17 and conforming to the neck portion 10 adjacent to the rim, as shown, each piece having a threaded stud

18 19, adapted to project through the aligned cavities 12 14 and provided with wing-nuts 20 21, operating above the member 13, as shown.

A packing-ring, of rubber or other similar suitable material, (represented at 22,) is interposed between the parts 11 and 13. By this simple arrangement it is obvious the closure 13 may be tightly clamped to the vessel and the joint between them rendered air-tight and held with sufficient firmness to resist any pressure from within the vessel.

The clamp-ring 15 16, with its threaded studs, is an important feature of the invention and adds materially to the value and efficiency of the device by increasing the convenience and reducing the time and labor required to attach and detach the device.

The closure member 13 is provided with a central aperture having an internal cork-seat 23 and an external packing-seat 24, upon which a compressible packing-ring 25 rests, as shown.

The member 13 extends above the seat 24, as at 26, and is internally threaded and adapted to support an annular gland 27 for engagement with the packing, the gland having wings 28, by which it may be rotated.

The faucet-stem is represented at 29 and extends through the gland 27, packing 25, and cork-seat 23 and terminates at the lower end near the bottom of the vessel, as at 30, and is provided at its upper end with a faucet 31 of any approved form.

Secured to the member 13 between the cork-seat 23 and the mouth of the vessel is a means for creating air-pressure upon the liquid in the vessel, consisting of a compressible bulb 32, of rubber or like material, having an inwardly-opening valve, as at 33, and connected by its neck to a valve-seat 34, the latter passing through the member 13 and provided on the interior with a combined valve-casing and holding-nut 35, in which a valve 36 is supported in movable engagement with the seat on the inner extremity of the member 34 and preferably provided with a spring 37. By this simple arrangement it will be obvious that air may be forced into the vessel to cause the automatic discharge of the liquid when the faucet is open. The air-pressure is also



valuable to maintain the liquid, especially in the case of beer and similar liquids or liquors, in a fresh and palatable condition.

5 The parts, except the flexible packings, will be of metal of suitable strength, and all the exposed parts may be plated or otherwise ornamented.

10 The member 13 will be attached when the vessel is filled and an ordinary cork seated at 23 to retain the liquid and the faucet member inserted at the point where the liquid is to be dispensed by forcing it inward and displacing the cork, which remains in the vessel. By this means the liquid can be delivered to the consumer or dispenser in any-sized vessels without the faucet attachment and the latter inserted only when required.

15 Having thus described the invention, what is claimed is—

20 In a device for dispensing liquids, a vessel having an annular laterally-extending rim in-

closing its mouth and provided with spaced radial recesses, a closure for said vessel-mouth provided with radial recesses for alignment with the recesses in said rim, a clamp-ring in two parts movably united and inclosing said vessel beneath said rim and having threaded studs for projection through said aligned recesses and provided with clamp-nuts operating above said closure member, a flexible packing between said closure and vessel, and means for detachably securing a faucet-stem in the aperture in said closure, substantially as described.

30 In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOSEPH FERRELL MEDLEY.

Witnesses:

ERNEST COPPEX,  
ANDREW A. HAGGAN.