F. W. WIESEBROCK.

Apparatus for Drawing Effervescent Liquids.

No. 201,212. Patented March 12, 1878.

Fig. I.

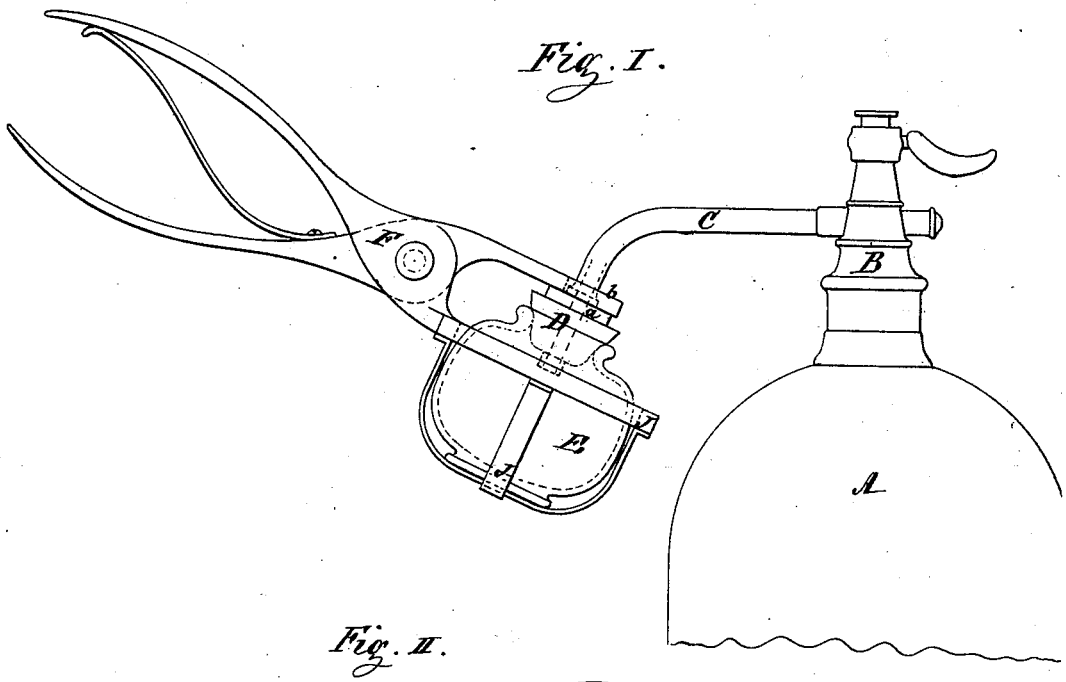
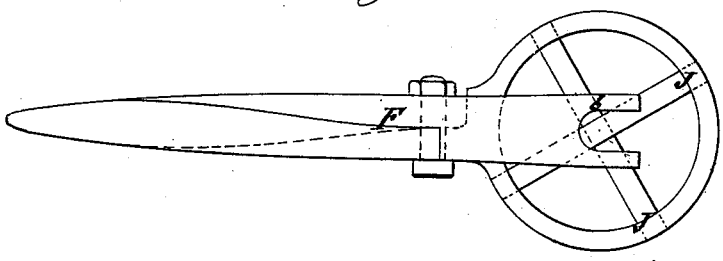


Fig. II.



Witnesses.

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UNITED STATES PATENT OFFICE.

FREDERICK W. WIESEBROCK, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN APPARATUS FOR DRAWING EFFERVESCENT LIQUIDS.

Specification forming part of Letters Patent No. **201,212**, dated March 12, 1878; application filed September 17, 1877.

To all whom it may concern:

Be it known that I, FREDERICK W. WIESEBROCK, of Brooklyn, in the State of New York, have invented a new and useful Apparatus for Drawing Effervescent Liquids, of which the following is a specification, reference being had to the accompanying drawing, in which—

Figure 1 represents part of a siphon-bottle with my improved apparatus attached, and Fig. 2 shows a top view of the same.

In the operation of drawing a quantity of liquid from a fountain or other vessel charged with carbonic-acid or any other gas, the force of the discharge will produce frothing and foaming, whereby the gas mixed with the liquid will easily escape by the force of this violent agitation during the discharge, and the liquid collected in the tumbler has lost its life.

To prevent this loss of gas during the operation of drawing off a certain quantity of liquid forms the nature of my invention.

My improvement consists in drawing off any required quantity of water into a suitable chamber attached air-tight to the discharge-pipe of the siphon or other mouth-piece, whereby the gas is prevented from escaping and disengaging itself from the water with which it has been incorporated, and then empty the thus withdrawn quantity of effervescent liquid into the tumbler by its inherent gravity, thereby retaining all, or at least a greater portion, of the gas with which it has been charged, and thus retaining its life and effervescence in the tumbler; and, further, in the arrangement of attaching the chamber to the end of the siphon or other discharge-mouth of the bottle or vessel.

In the accompanying drawing, A designates part of the vessel that contains the effervescent liquid, such as champagne, soda-water, or other fluid charged with gas. B is a siphon, constructed in the usual manner, for drawing off the liquid contained in the vessel A. C is the discharge-pipe of the siphon, or of any other contrivance used as the vessel for drawing off the liquid. To the end of this discharge-pipe C a large india-rubber or suitable elastic conical washer or stopper, D, is screwed on or otherwise attached, provided with a flange, *a*, on its upper part.

E is a chamber or vessel, into which the effervescent liquid is drawn. This vessel is held in a suitable frame, J, arranged on one arm of the tongs F, similar to a basket. The other arm of these tongs is made forked, as shown at *b*, Fig. 2, to pass around the discharge-pipe C and bear upon the collar or flange *a*.

When the apparatus is to be used for drawing off a quantity of the effervescent liquid from the vessel A, the forked arm is placed upon the collar or flange *a*, and the vessel or chamber E, supported in the basket-frame J, forced, through the action of the tongs, tight against the stopper or washer D. The liquid can then be drawn from the vessel A into this chamber or vessel E by means of the siphon B, or any other suitable contrivance.

The vessel E being, in the above described manner, attached, perfectly air-tight, to the mouth of the discharge-pipe C, the gas which was incorporated with the liquid cannot therefore escape, but is retained in the water or liquid, and the atmospheric air in the vessel E, which will be gradually compressed as said vessel is filling up, acting upon the surface of the liquid, will assist in retaining the gas in said liquid. When the vessel E is full, or nearly so, the same is detached from the discharge-pipe C, when the compressed air and a small quantity of gas which has become free will escape, and the liquid can then be poured into a tumbler without any violent agitation, and will retain all, or nearly all, the gas with which it has been originally charged, and thus retain its life or effervescence in the tumbler.

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

1. The combination of a vessel or chamber, A, containing effervescent liquid, a receiving-vessel, E, and an elastic washer or stopper, D, attached air-tight together by means of tongs F, in the manner substantially as described.

2. The tongs F, supporting a receiving-vessel, E, in a suitable frame or basket, J, in combination with an elastic stopper, D, attached to the end of the discharge-pipe C, arranged and operating substantially in the manner and for the purpose set forth.

F. W. WIESEBROCK.

Witnesses:
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