A. HABERNICHT.

Apparatus for Dispensing Effervescent Liquids.

No. 202,543. Patented April 16, 1878.

Fig.1.

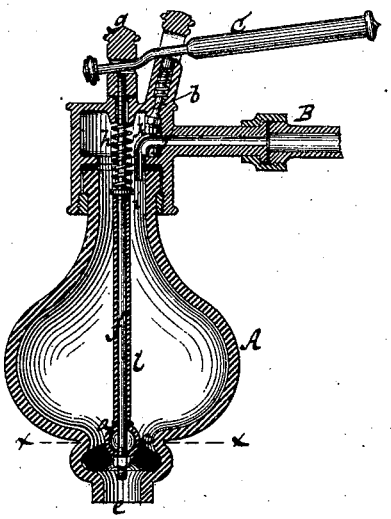

Fig.2.

Witnesses
Otto Hufeland
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by
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UNITED STATES PATENT OFFICE.

AUGUST HABERNICHT, OF NEW YORK, N. Y.

IMPROVEMENT IN APPARATUS FOR DISPENSING EFFERVESCENT LIQUIDS.

Specification forming part of Letters Patent No. **202,543**, dated April 16, 1878; application filed March 28, 1878.

To all whom it may concern:

Be it known that I, AUGUST HABERNICHT, of the city, county, and State of New York, have invented a new and Improved Apparatus for Dispensing Effervescent Liquids, which invention is fully described in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a vertical central section. Fig. 2 is a horizontal section in the plane *x x*, Fig. 1.

Similar letters indicate corresponding parts.

This invention consists in the combination, with a pressure-relieving glass vessel, of a valve-seat of india-rubber or other suitable elastic material, fitted into a groove at or near the discharge-spout of said glass vessel, a valve made of glass, and secured to a metallic rod which extends through a stuffing-box in the top of the glass vessel, a glass jacket protecting the body of the metallic valve-rod, a metallic spring, which depresses the valve on its seat, and a shield, which extends over the supply-opening and prevents the inflowing liquid from coming in contact with said spring, so that the liquid, after having passed into the pressure-relieving glass vessel, is free from contact with any metal, and consequently not liable to assume a metallic taste.

In the drawing, the letter A designates a pressure-relieving vessel, which is made of glass or other vitreous material, and which connects, by means of a tube, B, with a fountain containing champagne or any other effervescent liquid under pressure. In discharging such liquids from the fountain into a tumbler or other vessel for immediate consumption, it is desirable to use an intermediate vessel, so arranged that the surplus gas can be allowed to escape before the liquid discharges into the tumbler. This object is attained by my pressure-relieving vessel A, which is provided with two valves, *a b*, the valve *b* being situated in its top, and closing upward, while the valve *a* closes down upon a ring, *c*, of india-rubber or other suitable elastic material, which is placed into a recess, *d*, formed close over the discharge-spout *e*. The valve *a* is made of glass, and it is secured to a stem or rod, *f*, which extends up through a stuffing-box in the top of the vessel A, and is provided with a head, *g*, through which extends a lever, C, which also bears upon the stem of the valve *b*. By pressing the handle of this lever down, both the valves *a* and *b* are opened.

The valve *a* is depressed on its seat by a metallic spring, *h*, which embraces the upper part of the rod *f*, and bears upon a collar, *i*, secured to this rod. The inlet-opening *j* is opposite to the spring *h*, and in order to prevent the inflowing liquid from coming in contact with said spring, the inlet-opening is provided with a shield, *k*, which turns downward, as shown in Fig. 1. The main portion of the valve-rod *f* is protected by a jacket, *l*, of glass or vitreous material, which extends from the collar *i* down to the top of the valve *a*.

By these means the liquid, after having entered the vessel A, is kept free from contact with any metal, and consequently not liable to assume a metallic taste.

When the hand-lever C is depressed, the surplus gas, which occupies the upper portion of the vessel A, escapes through the valve *b*, and at the same time the valve *a* is raised from its seat, and the liquid discharges from the vessel A under the ordinary atmospheric pressure.

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

The combination, with the glass vessel A, valve-rod *f*, extending up through said vessel, glass valve *a*, and valve-depressing spring *h*, of a glass jacket, *l*, and shield *k*, all combined and adapted to operate substantially as and for the purpose shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 25th day of March, 1878.

A. HABERNICHT. [L. S.]

Witnesses:
W. HAUFF,
E. F. KASTENHUBER.