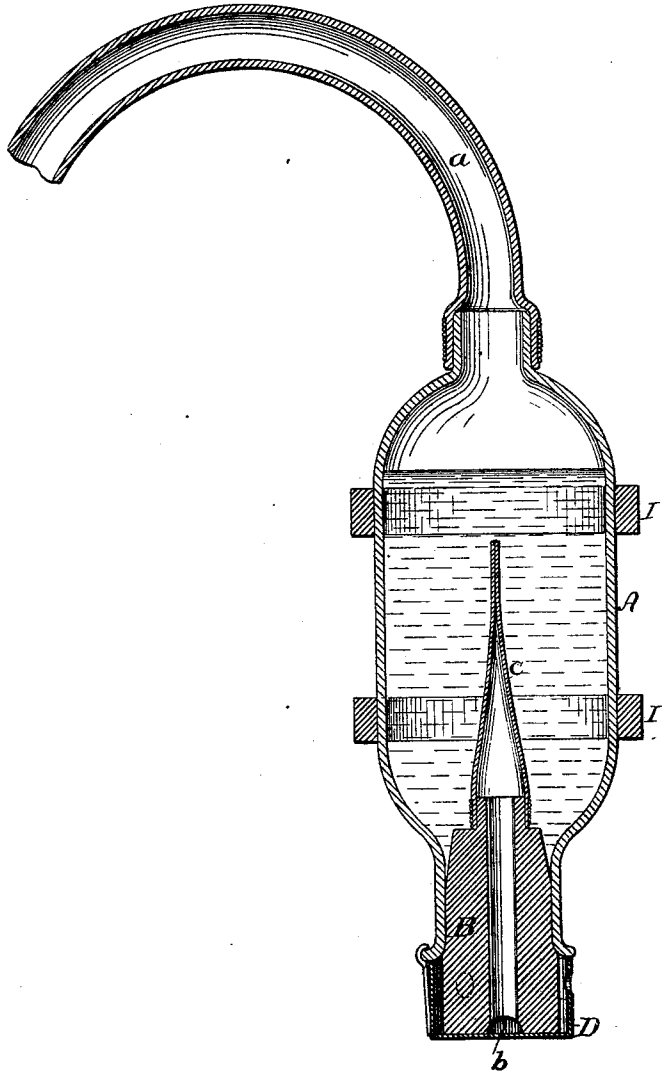
F. SCHULTZ.

VENT ATTACHMENT FOR BEER BARRELS.

No. 189,795. Patented April 17, 1877.



Witnesses:

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UNITED STATES PATENT OFFICE.

FRIDRICH SCHULTZ, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN VENT ATTACHMENTS FOR BEER-BARRELS.

Specification forming part of Letters Patent No. **189,795**, dated April 17, 1877; application filed March 26, 1877.

To all whom it may concern:

Be it known that I, FRIDRICH SCHULTZ, of Chicago, Illinois, have invented a new and Improved Vent Attachment for Beer-Barrels, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in which the figure shows a longitudinal section of my invention.

My invention relates to a device for admitting air into beer-barrels, in order that the beer may be drawn therefrom, and at the same time prevent the escape of any of the gases arising from the beer.

The intrinsic merit of a vent depends upon its efficiency in preventing the escape of the gases, while it admits the desired air with ease and freedom when drawing off.

My invention consists in the novel construction and arrangement of devices hereinafter described and claimed.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

In the drawings, A represents a glass bulb or receptacle, made with an opening at each end. To the upper end is attached the tube *a* for making a connection in any convenient manner with the inside of the keg or barrel. In the opposite or lower end of the glass bulb A is fitted the centrally-perforated or hollow stopper B, provided with a fine flat rubber tubing, C, extending from the perforation upward through the bulb, as shown in the drawing. Across the lower face of the stopper B, and intersecting with the central perforation, are one or more grooves, *b*, for a purpose hereinafter described.

Over the lower end of the stopper B, and attached, by any convenient means, to the neck of the bulb, I secure the perforated cap D. Around the bulb I place the rubber rings I I, as a protection against the breakage of the glass.

The operation of my device is as follows: The receptacle or bulb A is filled with water to a point above the upper end of the tube C. When the beer-cock is opened to draw from the keg, air enters through the perforation in cap D, passes along the grooves *b*, up through the central perforation of the stopper B, and through the rubber tube C, thence through the water in the bulb and the connecting-tube *a* to the inside of the keg. When the beer-cock is shut off after drawing, the pressure in the keg instantly closes the flat tube C, and the water above the tube completely prevents the escape of air or gas through the tube C, this being the only outlet.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a vent attachment for beer-barrels, the bulb A, in combination with the perforated stopper B, substantially as and for the purpose set forth.

2. In a vent attachment for beer-barrels, the perforated stopper B, in combination with the tube C and bulb A, substantially as and for the purpose set forth.

3. In a vent attachment for beer-barrels, the perforated stopper B and perforated cap D, in combination with the bulb A, substantially as and for the purpose set forth.

4. In a vent attachment for beer-barrels, the perforated stopper B, provided with the tube C, in combination with the bulb A, provided with the cap D, all constructed to operate substantially as and for the purpose set forth.

FRIDRICH SCHULTZ.

Witnesses:

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