

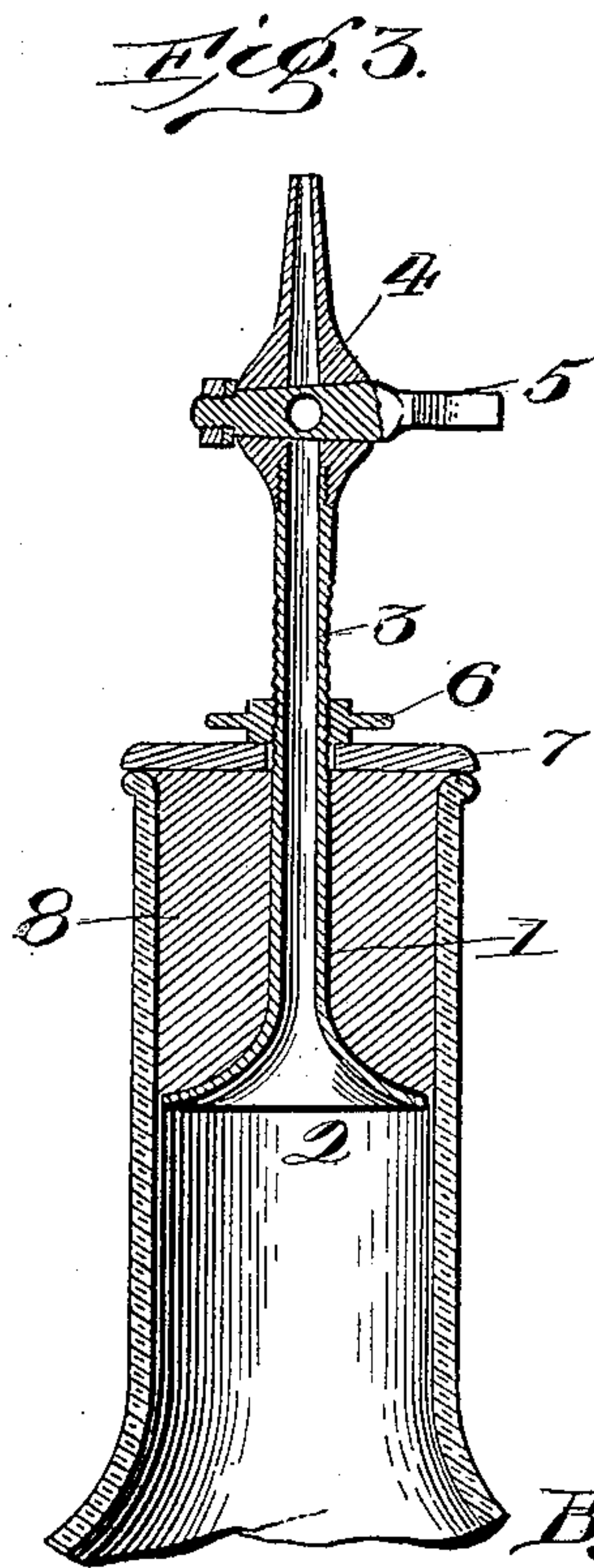
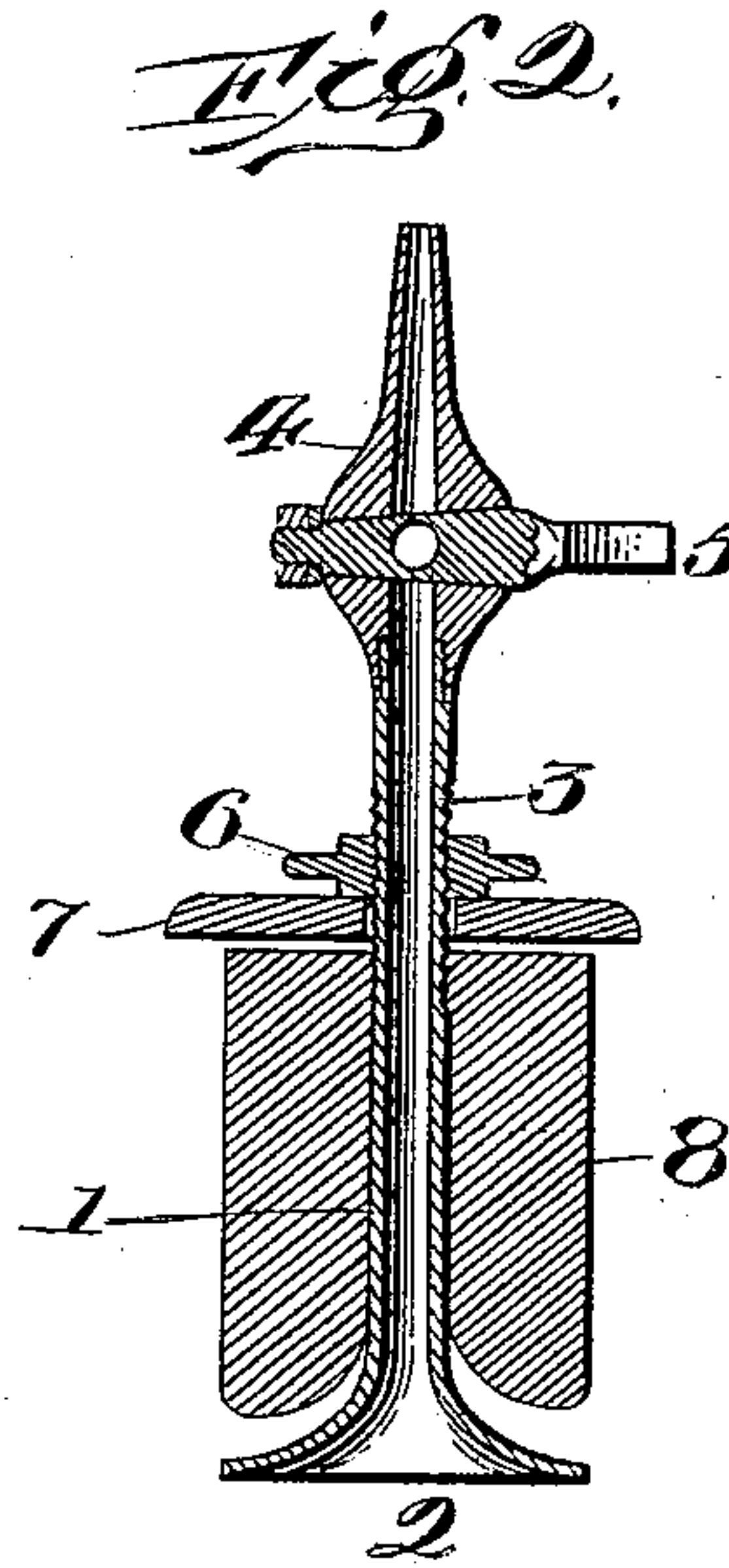
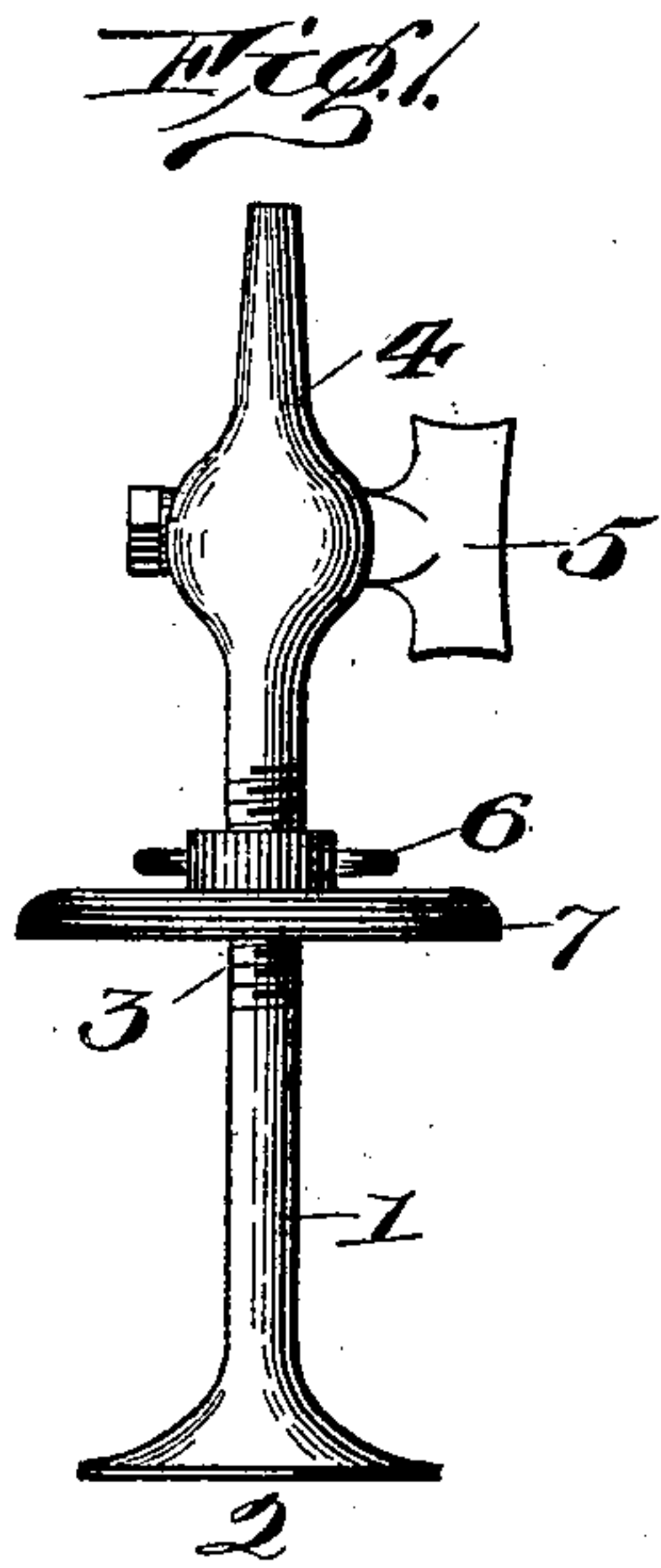
No. 607,285.

Patented July 12, 1898.

L. A. SCHOLZ.  
BOTTLE STOPPER.

(Application filed Nov. 1, 1897.)

(No Model.)



Witnesses:  
*J. M. Fowler Jr.*  
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# UNITED STATES PATENT OFFICE.

LOUIS A. SCHOLZ, OF ROANOKE, VIRGINIA.

## BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 607,285, dated July 12, 1898.

Application filed November 1, 1897. Serial No. 657,081. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS A. SCHOLZ, a citizen of the United States, and a resident of Roanoke, in the county of Roanoke and State of Virginia, have invented certain new and useful Improvements in Bottle-Stoppers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to stoppers for bottles containing carbonated or effervescing beverages, such as apollinaris water, ginger-ale, champagne, &c.; and its object is to provide an improved construction of the same by which the contents may be drawn by the glass or in small quantities without the escape of gas, as is the case where the ordinary removable stopper is used.

The invention consists in the novel construction and combination of parts, as hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a stopper constructed in accordance with my invention, showing the same with the flexible or elastic cork removed. Fig. 2 is a longitudinal sectional view of the device complete before the cork is tightened. Fig. 3 is a sectional elevation showing the stopper applied to a bottle and the cork tightened.

In the said drawings the reference-numeral 1 designates a tube of metal or other suitable material, the inner end of which is made flaring, as seen at 2. This tube, intermediate its ends, is formed with screw-threads 3 and at the upper end is provided with a small spigot 4, having a stop-cock 5. Engaging with the said screw-threads is a nut 6, which when the device is in use bears upon a disk or washer 7, loosely mounted on the said tube, so as to be movable up and down thereon. Also mounted on said tube is a rubber or other flexible or elastic cork 8, having its lower end recessed so as to correspond with the flaring end of the tube.

The manner of using the device is as follows: The ordinary stopper or cork of a bottle containing the carbonated or effervescing beverage is removed and my improved stopper quickly inserted in the mouth of the bot-

tle. This can be readily accomplished with but an inappreciable loss of the gas, as the rubber cork is of a diameter to easily enter the bottle-mouth. The nut 6 is then turned, compressing the rubber cork between the flaring end of the tube and the loose washer and causing its periphery to bulge outward so as to bear against the inner side of the neck of the bottle, making a perfectly gas and liquid tight joint. The contents may now be drawn by the glass or other quantity by turning the stop-cock of the spigot until the bottle is emptied without losing the gas, so that the last glass in the bottle will be as perfectly carbonated as the first. When the spigot is closed, the bottle will be hermetically sealed, so as to prevent the escape of any of the contents, so that the beverage may be retained in the bottle indefinitely without deteriorating or losing any of the effervescing qualities.

The flaring end of the tube forms a bearing for compressing the elastic cork, and when in use, as seen in Fig. 3, it abuts against the inner or lower end of the said cork and prevents the liquid in the bottle from coming in contact therewith.

Having thus fully described my invention, what I claim is—

As an improved article, a bottle-stopper consisting of the tube having a flaring or bell-mouth lower or inner end, the screw-threads formed intermediate the ends, the spigot at the upper or outer end of said tube, the nut engaging with said screw-threads, the circular washer adapted to rest on the top of a bottle and through which said tube loosely passes, and the elastic cork through which said tube passes, formed with a recess in its lower end, corresponding with the shape of the said flaring end of the tube, the construction being such that when the stopper is inserted in the bottle and expanded by turning the nut, it will be compressed between the flaring end of the tube and the washer, so as to entirely fill the space therebetween, substantially as described.

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

LOUIS A. SCHOLZ.

Witnesses:

S. B. PACE,

P. P. MEADE.