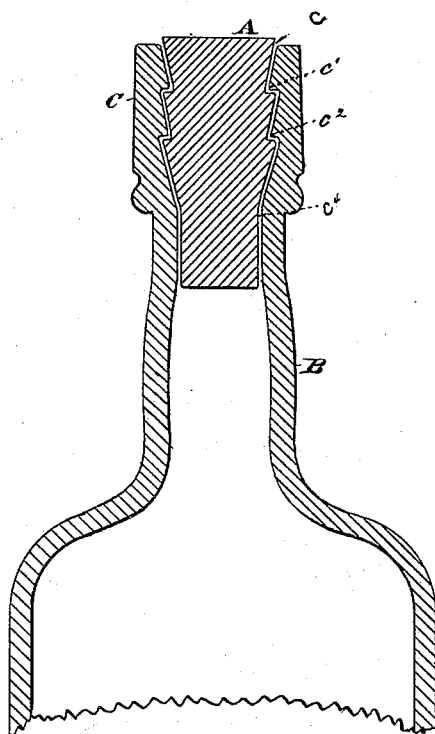


(No Model.)

T. T. GRAHAM & J. MONHEIMER.
CORK HOLDING BOTTLE NECK.

No. 422,127.

Patented Feb. 25, 1890.



WITNESSES

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UNITED STATES PATENT OFFICE.

THOMAS T. GRAHAM AND JOHN MONHEIMER, OF LOUISVILLE, KENTUCKY.

CORK-HOLDING BOTTLE-NECK.

SPECIFICATION forming part of Letters Patent No. 422,127, dated February 25, 1890.

Application filed October 2, 1889. Serial No. 325,791. (No model.)

To all whom it may concern:

Be it known that we, THOMAS T. GRAHAM and JOHN MONHEIMER, citizens of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Self-Acting Cork-Holders or Cork-Holding Bottle-Necks; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to devices for holding cork stoppers for bottles in place so that they cannot be forced out by the pressure of the contents of the bottles. It is especially applicable to bottles designed to hold effervescent liquids.

Our invention consists in a peculiar construction of the inside of the mouth and upper part of the neck of a bottle, whereby, in forming the bottle, rings shaped in cross-section like a wedge with the base downward and the edges of the bases rounded are made one below the other, encircling the inside wall of the neck. This construction is illustrated in the accompanying drawing, in which—

B represents the neck of a bottle, C the outside ring around the mouth, and A a cork stopper.

c represents the aperture of the mouth, c' and c² the wedge-shaped rings encircling the

inside walls of the mouth, and c⁴ the choke in the neck.

The figure in which these parts are shown is a sectional view of the neck and upper part of a bottle made according to our invention, with a cork stopper in position.

When a cork is forced into the mouth of a bottle having the inside walls of the mouth shaped according to our invention and reaches the choke in the neck, the compression caused by the narrowing of the neck causes the cork to swell above and bed itself in the indentations formed by the bases of the wedge-shaped rings, so that when pressure is applied from below the cork is held firmly against it. In making these rings the edges of the shoulders formed by their bases are slightly rounded, so that the cork will not tear when extracted.

Having thus described our invention, we claim—

A bottle-neck having the interior of its mouth portion provided with a series of parallel wedge-shaped circumferential rings with their bases downward, the edges of said bases being rounded, as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

THOMAS T. GRAHAM.
JOHN MONHEIMER.

Witnesses:

T. W. SPINDLE,
L. G. DAVIS.