

(No Model.)

2 Sheets—Sheet 1.

W. POLSON.
CAP FOR BOTTLES.

No. 589,366.

Patented Aug. 31, 1897.

FIG. 1.

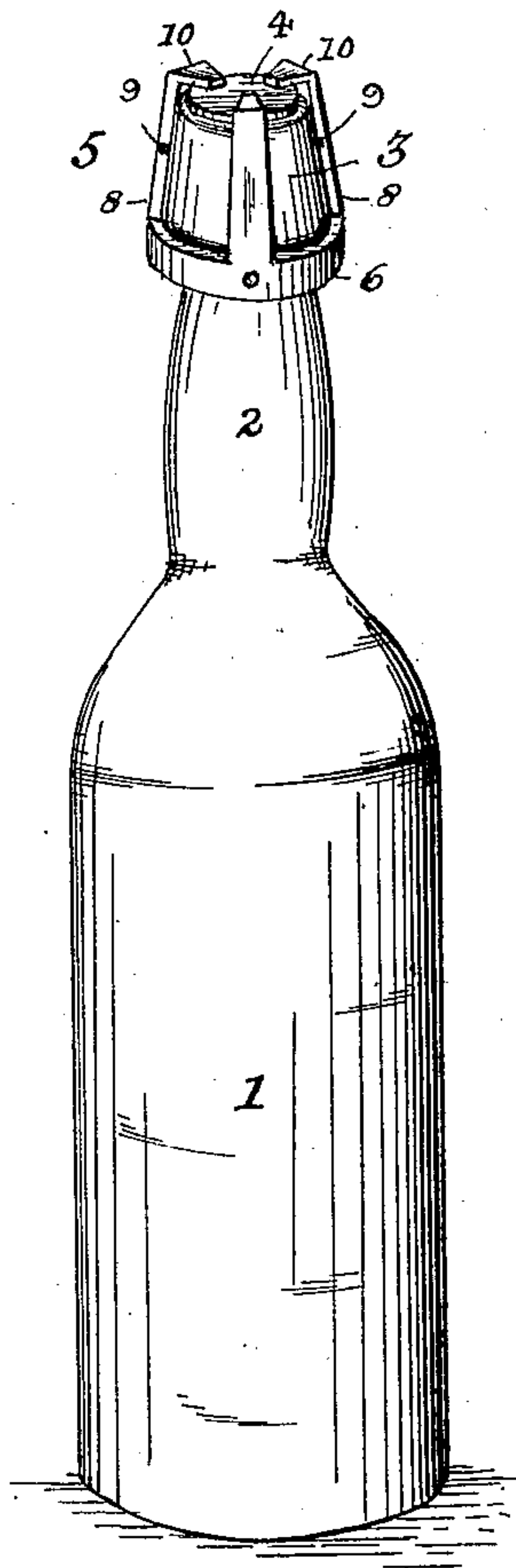
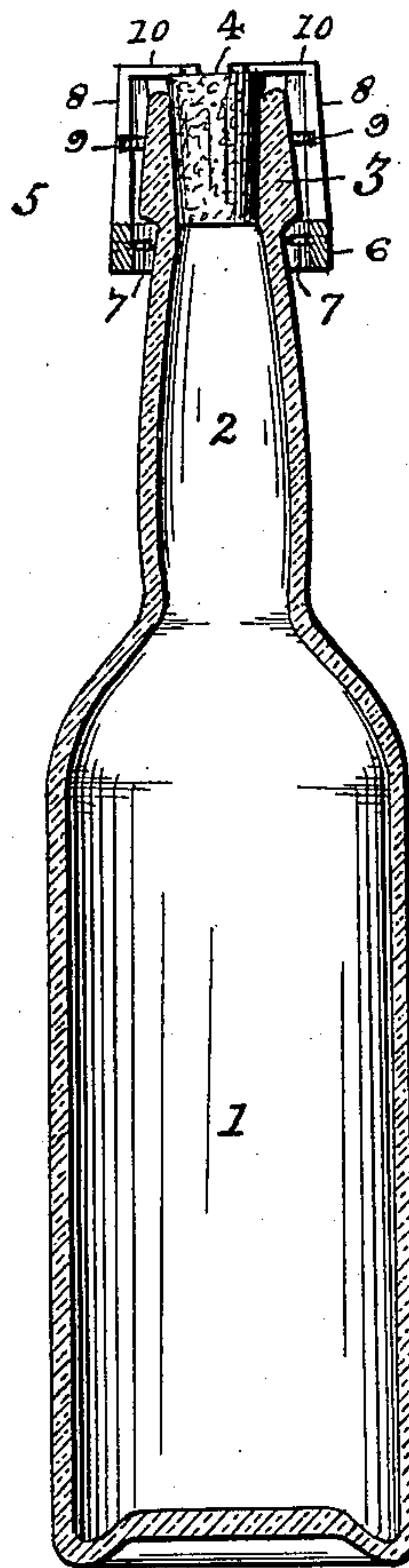


FIG. 2.



WITNESSES

Sam R. Turner
J. G. Tabler

INVENTOR

William Polson
by John Wedderburn
Attorney

(No Model.)

2 Sheets—Sheet 2.

W. POLSON.
CAP FOR BOTTLES.

No. 589,366.

Patented Aug. 31, 1897.

FIG. 3.

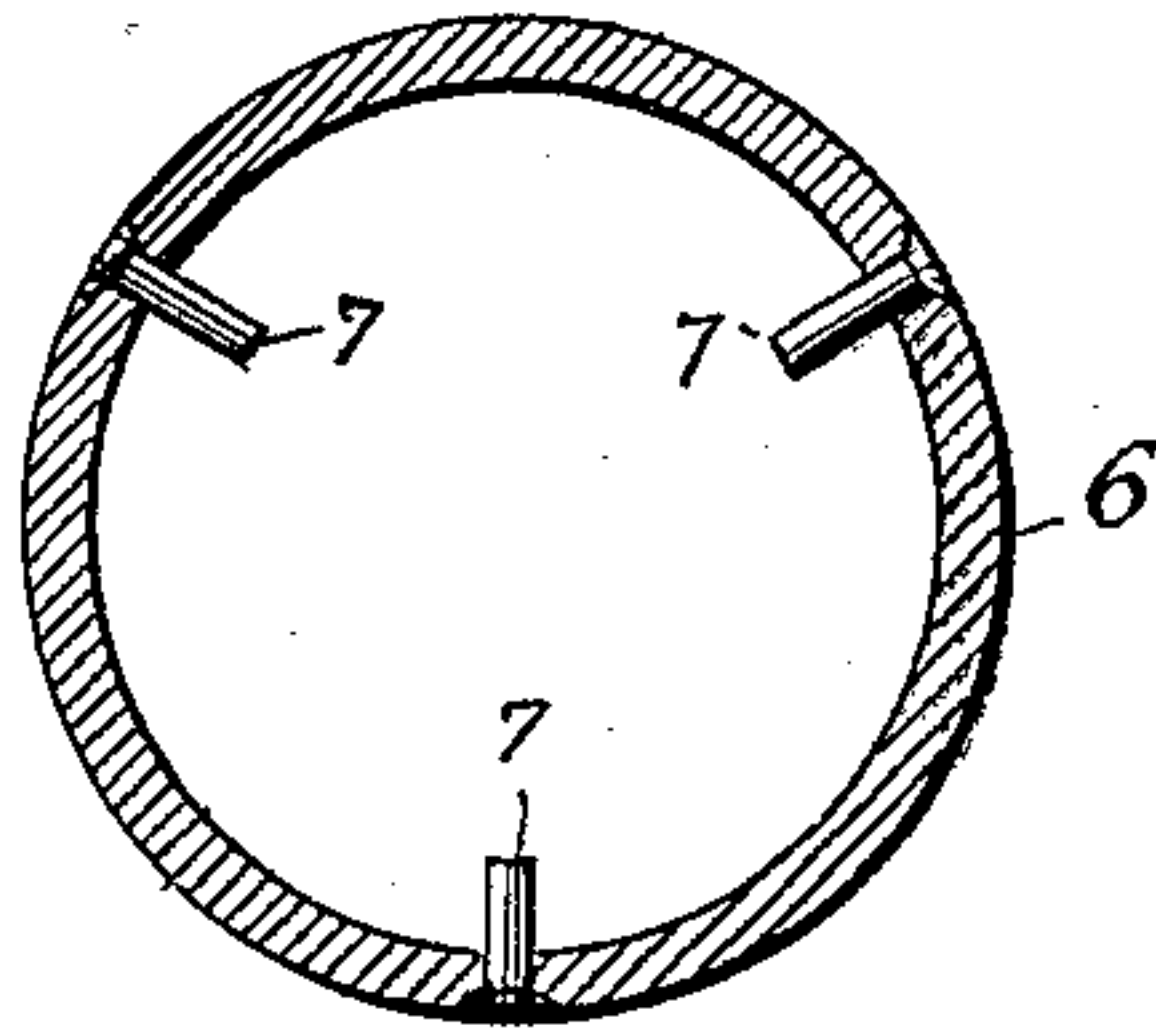


FIG. 4.

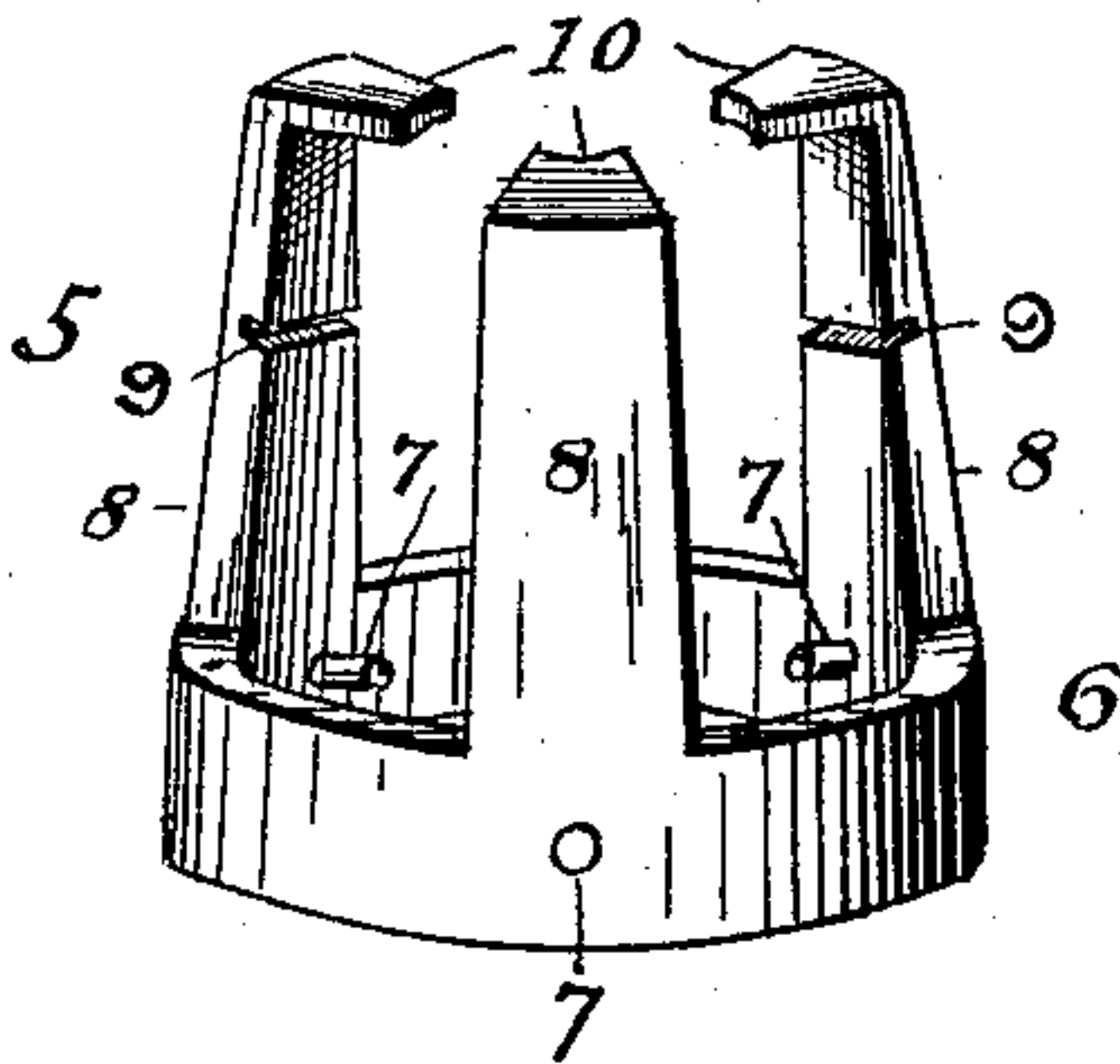
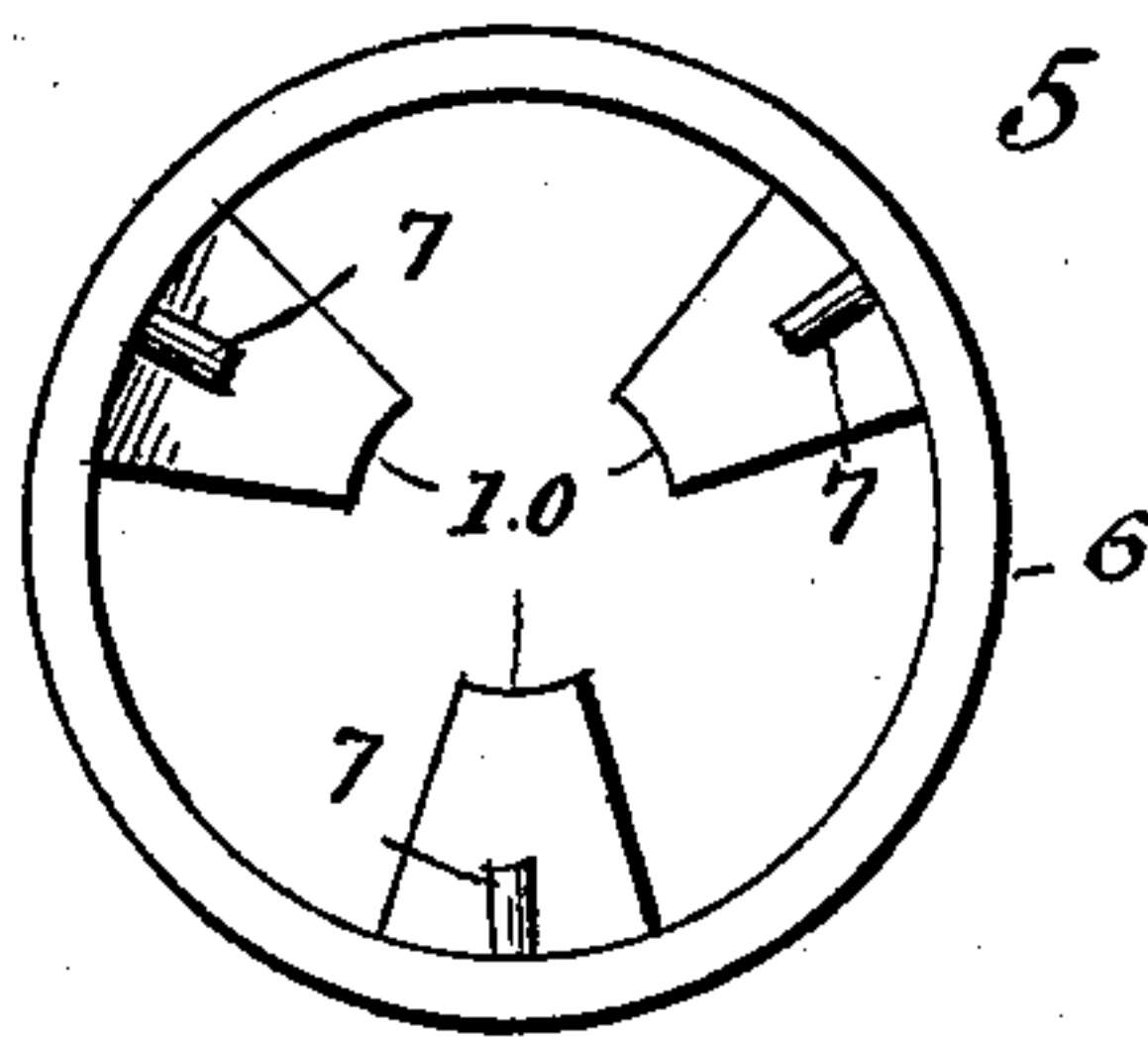


FIG. 5.



WITNESSES

Samuel Turner
J. G. Tabor

INVENTOR,

William Polson
by John Weadsworth
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM POLSON, OF FABYANS, NEW HAMPSHIRE.

CAP FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 589,366, dated August 31, 1897.

Application filed November 14, 1896. Serial No. 612,105. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM POLSON, a citizen of the United States, residing at Fabyans, in the county of Coos and State of New Hampshire, have invented certain new and useful Improvements in Caps for Bottles; and I 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.

My invention relates to certain new and useful improvements in caps for bottles, the object of the same being to provide a device adapted to be applied to the upper end of the neck of the bottle for the purpose of preventing the accidental removal of the cork, and also to prevent the refilling of the bottle after the contents thereof have once been removed.

The invention consists of the novel construction, combination, and arrangement of parts, as will be hereinafter more fully described and claimed.

In the drawings forming part of this specification, Figure 1 represents a perspective view of the bottle with my improved cap applied to the neck thereof. Fig. 2 is a longitudinal section through the same. Fig. 3 is a cross-section through the ring portion of said cap. Fig. 4 is a detail perspective view of the cap detached from the bottle, and Fig. 5 is a bottom plan view of the same.

Like reference-numerals indicate like parts in the different views.

The bottle 1 has a neck 2 with a bead or enlargement 3 at a point near its upper end. Into this neck a cork 4 of ordinary construction is adapted to fit. The cap 5 consists of a ring portion 6, adapted to fit over the upper end of the neck of the bottle, and has inwardly-projecting pins 7 7 therein which are applied after the cap is in place, so that they engage the bead or enlarged portion 3 of the neck and serve as supports to prevent the removal of the cap from the bottle. Said pins 7 are either screwed in place through openings in the ring 6 and their heads afterward filed off or are formed by strips of wire which fit tightly the openings in said ring with their

outer ends filed off, so that they lie flush with the outer surface of said ring. Formed integral with the ring 6 are upwardly-extending arms 8 8, having transverse grooves 9 9 therein, weakening the arms at one point. Inwardly-extending flanges 10 10 are formed upon the upper ends of the arms 8 8, which, when the cap is in place, fit over the upper end of the neck, bear against the top surface of the cork 4, and prevent the removal thereof.

The bottle is filled in the usual manner and the cork 4 applied. The cap 5 is then placed upon the neck 2 and the pins 7 7 inserted. When in this condition, it is impossible to remove the cap from the neck without a breakage of the parts.

To remove the contents of the bottle, a knife-blade, screw-driver, or other blunt instrument is applied to the flanges 10 10, breaking off the arms 8 8 along the line of the grooves or weakened portions 9. The cork 4 can then be removed in the usual manner.

From the foregoing description it will be seen that when the cap 5 has once been applied the cork 4 is prevented from accidental removal, and when it has been intentionally removed by breaking off the arms 8 8 evidence thereof is clearly given and the bottle cannot be refilled without detection.

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

1. The combination with a bottle whose neck has a bead or shoulder upon its outer surface, of a cap thereon consisting of a ring adapted to embrace said neck and provided with openings therein, inwardly-projecting pins on said ring fitting and secured within said openings and adapted to engage the under side of said bead or shoulder, and arms extending upwardly from said ring having inwardly-projecting flanges thereon, substantially as and for the purpose described.

2. The combination with a bottle whose neck has a bead or shoulder upon its outer surface, of a cap thereon consisting of a ring adapted to embrace said neck and provided with openings therein, inwardly-projecting pins on said ring fitting and secured within

said openings and adapted to engage the under side of said bead or shoulder, and arms extending upwardly from said ring formed integral therewith having transverse grooves
5 therein, and inwardly-extending flanges at their upper ends, substantially as and for the purpose described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

WILLIAM POLSON.

Witnesses:

A. J. BARRETT,
C. S. PUSHEE.