

No. 735,642.

PATENTED AUG. 4, 1903.

P. J. WILSON.
BOTTLE.

APPLICATION FILED MAY 28, 1903.

NO MODEL.

Fig. 1.

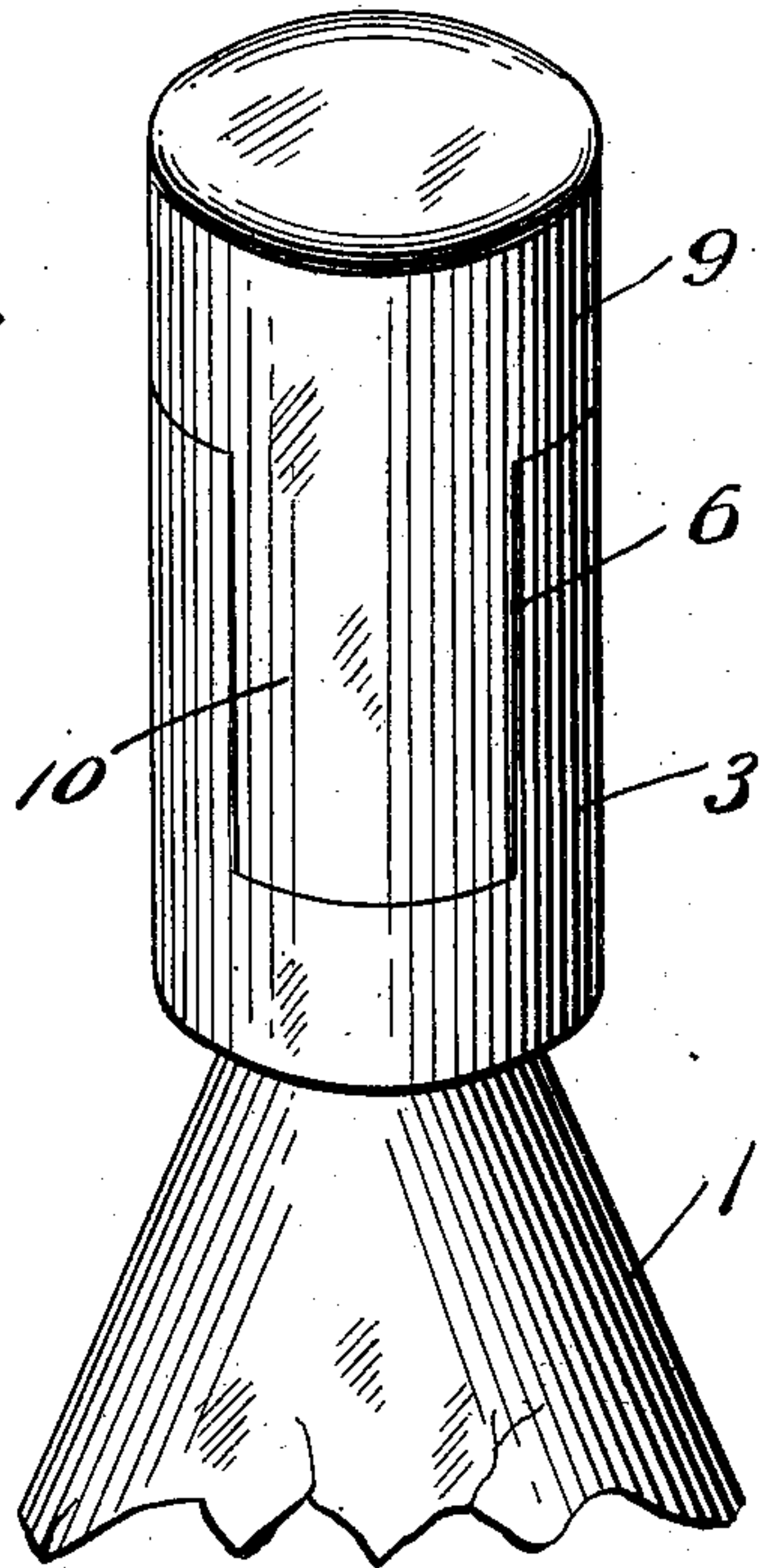


Fig. 2.

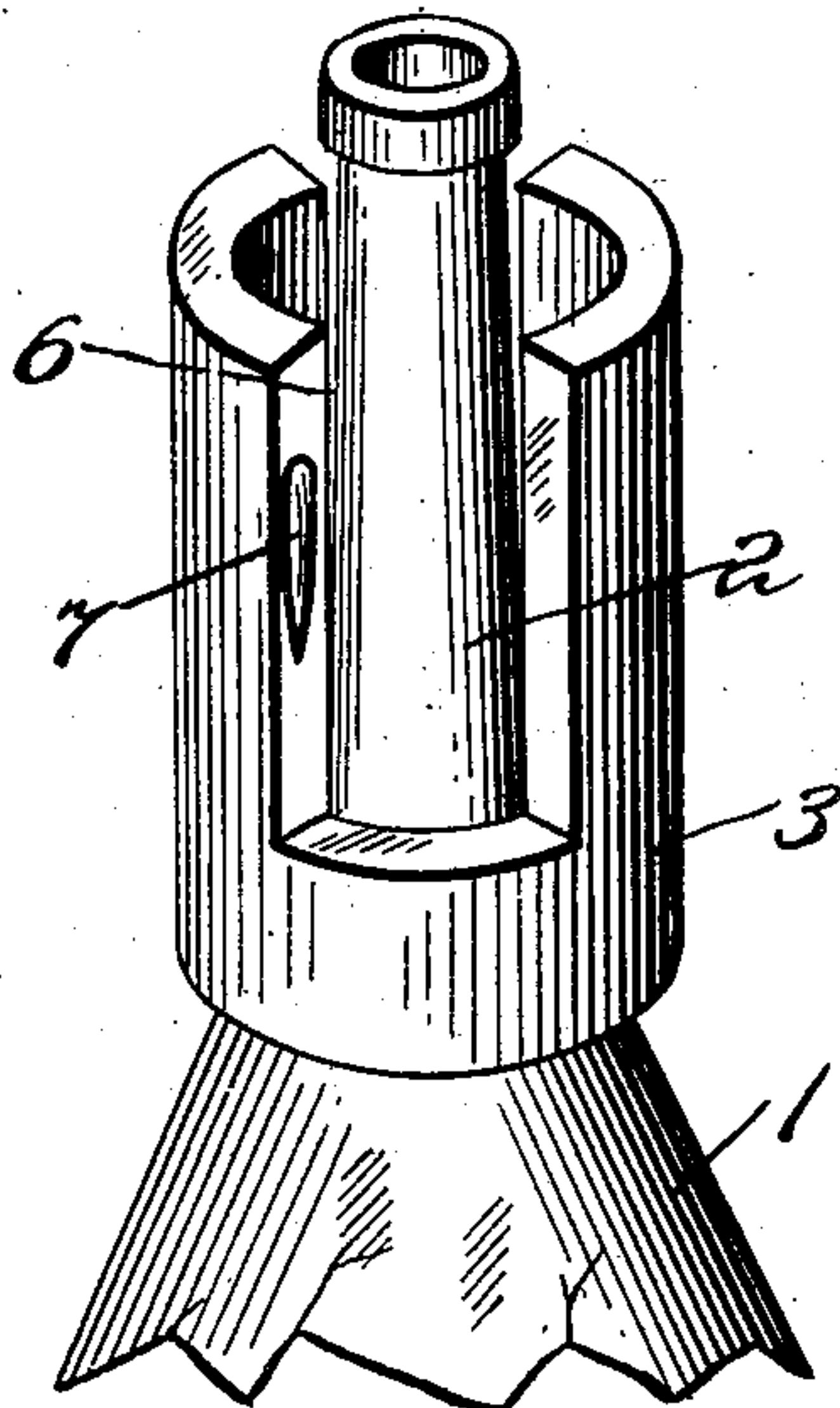


Fig. 4.

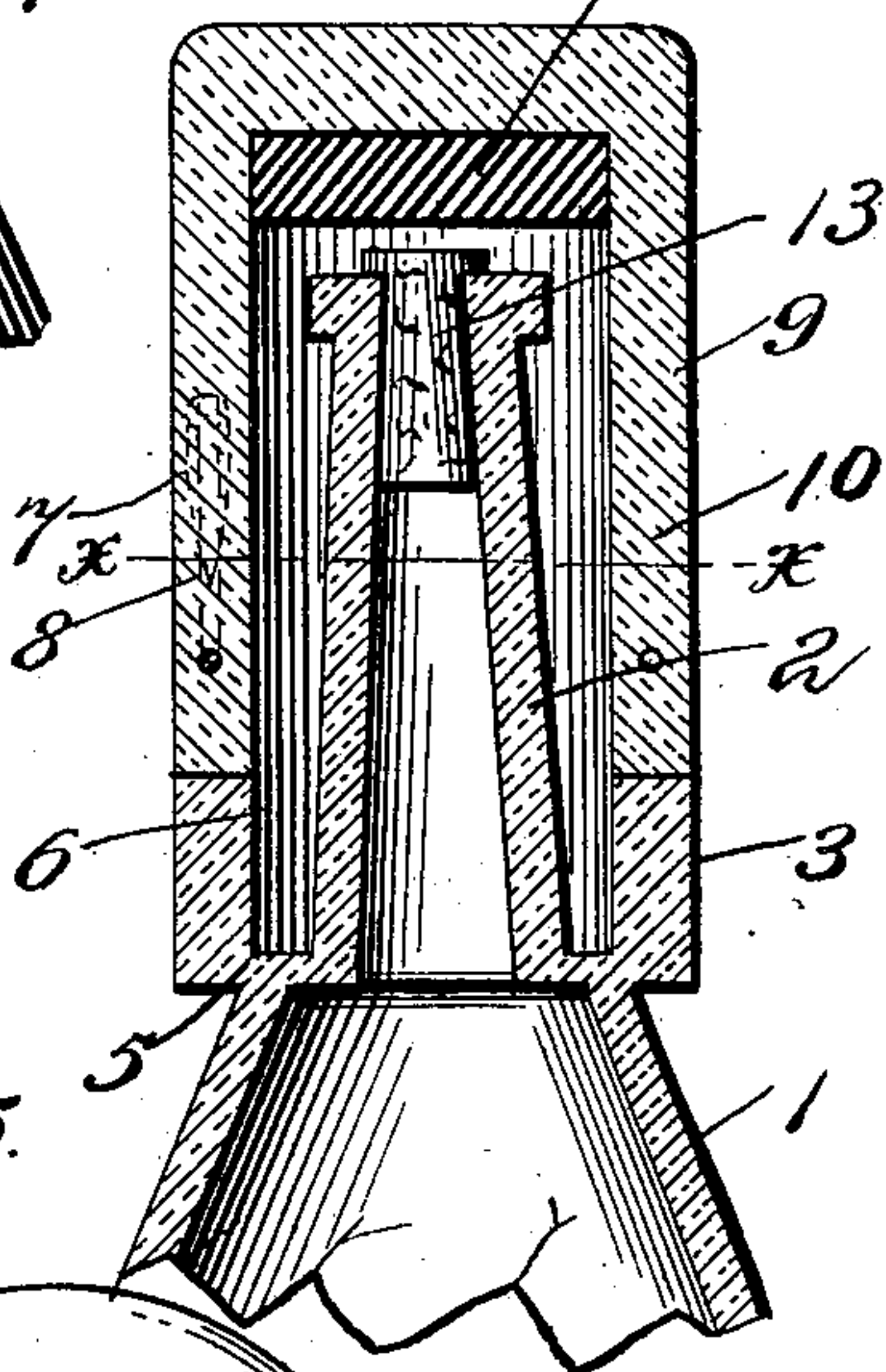


Fig. 3.

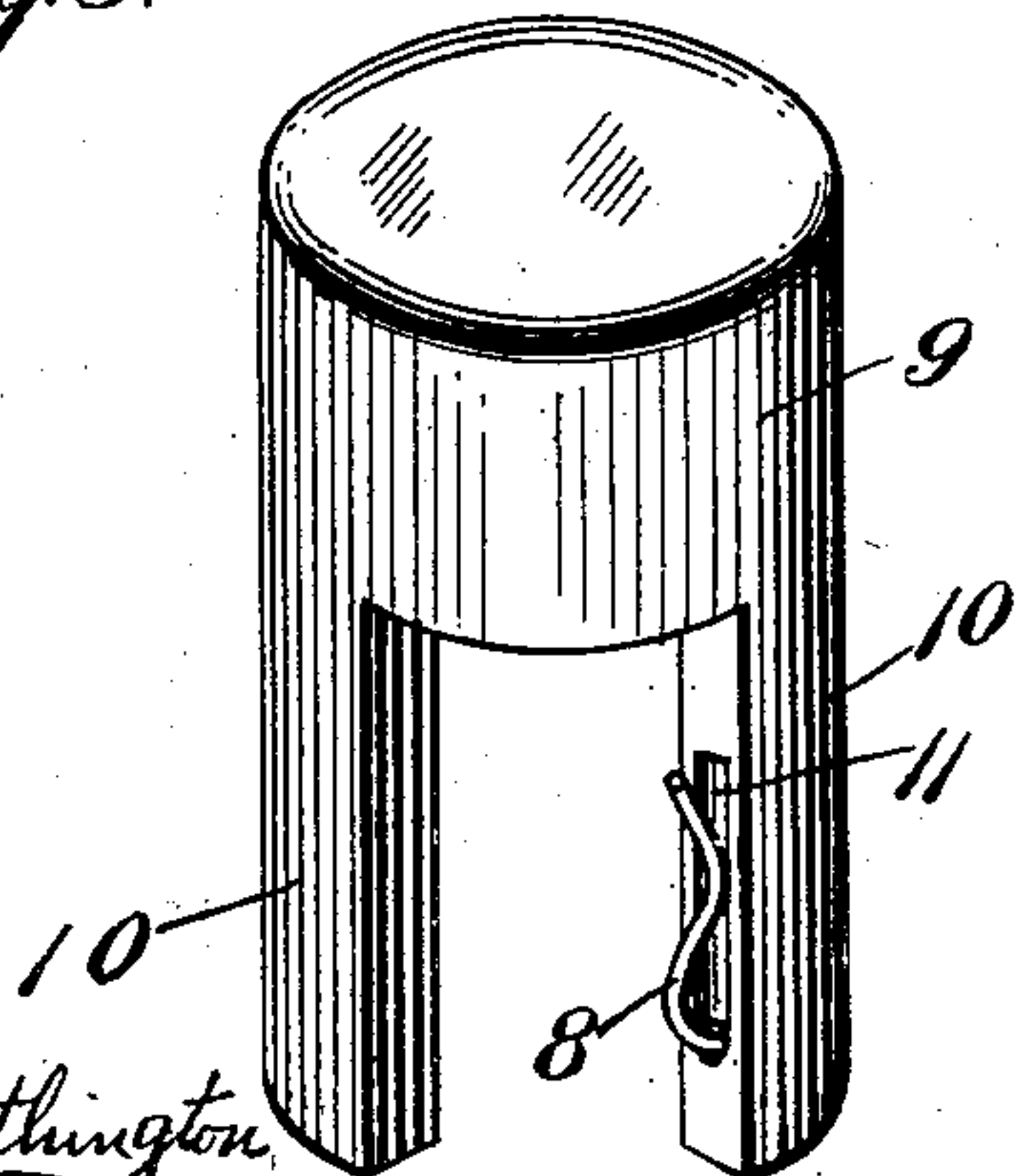
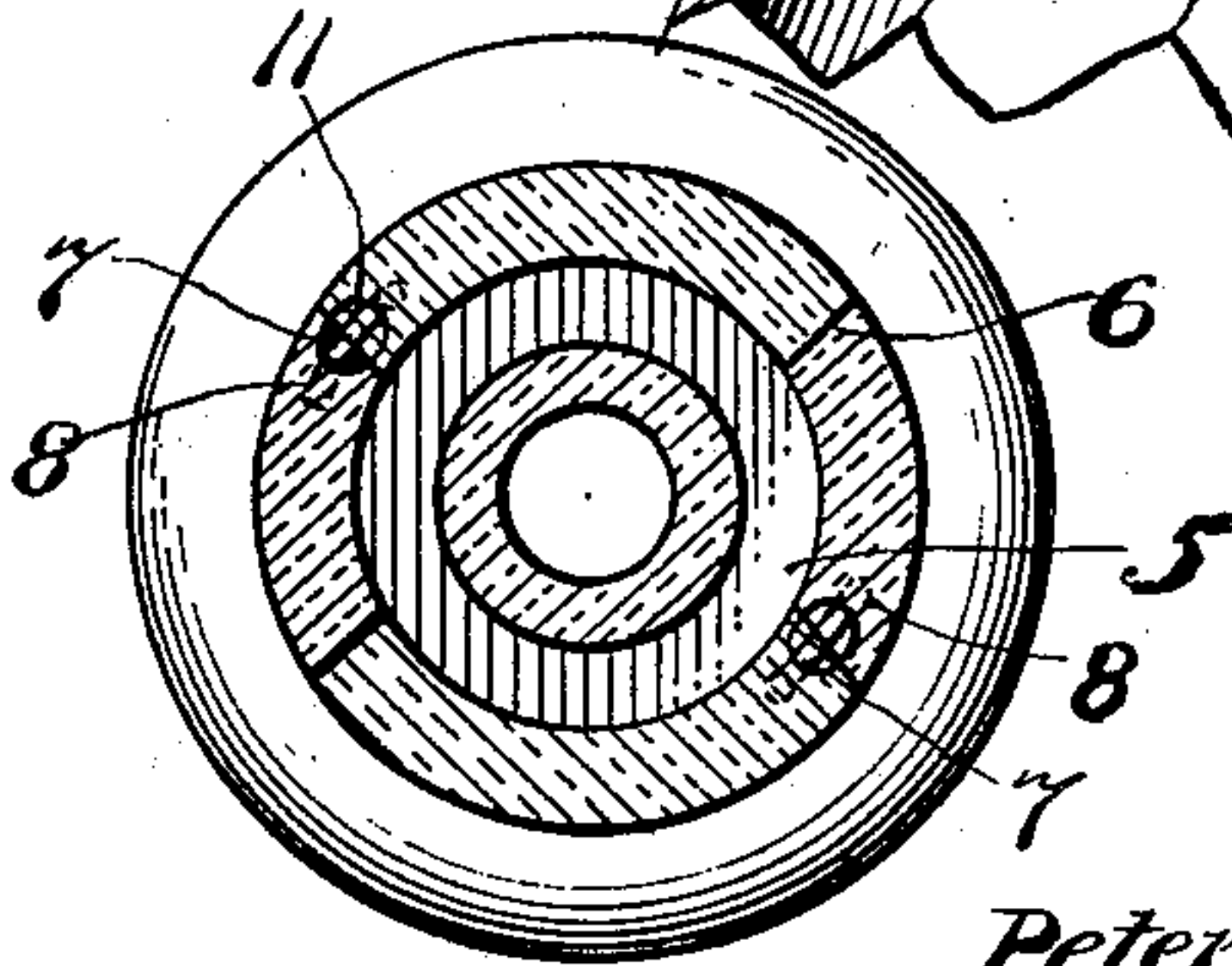


Fig. 5.



Inventor

Peter J. Wilson

By

A. B. Wilson

Attorney

Witnesses.

G. V. Worthington

J. J. Wilson

UNITED STATES PATENT OFFICE.

PETER J. WILSON, OF BEN LOMOND, CALIFORNIA.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 735,642, dated August 4, 1903.

Application filed May 28, 1903. Serial No. 159,187. (No model.)

To all whom it may concern:

Be it known that I, PETER J. WILSON, a citizen of the United States, residing at Ben Lomond, in the county of Santa Cruz and State of California, have invented certain new and useful Improvements in Bottles; and I do 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 bottles, and more particularly to that class of bottles which have their necks and stopper devices arranged so that the bottle must be broken before its contents can be removed in order to prevent the use of the bottle a second time as an original package.

The object of the invention is to provide a device of this character which is simple in construction and comparatively inexpensive of production and which is very efficient for the purpose intended.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of the neck of a bottle constructed in accordance with my invention and showing the sealing-cap in position. Fig. 2 is a detail perspective view of the neck of the bottle before the cap has been placed upon the same. Fig. 3 is a similar view of the locking or sealing cap. Fig. 4 is a vertical sectional view through the sealing-cap and the neck of the bottle, showing the cap in its locked position. Fig. 5 is a horizontal sectional view through the same on line *xx* of Fig. 4.

Referring to the drawings by numeral, 1 denotes the upper portion of the body of a bottle, 2 the neck of the same, and 3 an integral cup which forms a guard-wall for the neck. This cup 3 consists of a thick cylindrical wall, which surrounds the neck 2 and is connected to the same by the thin web 5, which forms the bottom of the cup and which may be readily broken, as hereinafter described. The cup is thus concentrically spaced from the neck and extends longitudi-

nally upon the same. At diametrically opposite points in the side of this cup I provide the slots or openings 6, in one or both of the walls of which is formed a recess 7, in which a spring 8 is adapted to be seated.

The sealing-cap 9, which forms a closure for the cup or guard-wall to prevent access to the neck, consists of a hollow cylinder of the same diameter as the cup. The upper end of said cap is closed, and its lower portion or end is provided with diametrically opposite slots, forming the depending lugs or arms 10, which correspond in shape to the openings 7 in the cup, in which openings the said arms are adapted to seat. The sides of these arms 10, which contact with the walls of the slots 6 in the cup, are formed with the recesses 11, which are adapted to be engaged by the springs 8 when the cap is placed upon the cup in order to seal or lock said cap in position to prevent access to the neck of the bottle. Upon the inside of the cap in its upper end is a cushion 12, preferably in the form of an elastic rubber disk. It will be observed upon reference to Fig. 4 of the drawings that when the cap is placed upon the cup so that the lugs 10 engage the slots 7 and the springs 8 are engaged with the recesses 11 there will be a slight space between the upper end of the neck 2 of the bottle and the cushion 12. When it is desired to remove the contents of the bottle, a light tap or blow with the hand upon the top of the cap will break the web 5, and the cup and cap may then be removed from the neck in order to permit the cork or other seal 13 which closes the neck to be removed in the usual manner. The cushion 12 will strike the top of the bottle-neck when the web 5 is broken, and thus prevent the possible breaking of the neck 2. It is thus seen that the bottle will be so disfigured by the broken web 5 that it will be unfit for use and it will be impossible to refill and seal it as an original package.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be

resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

The combination of the neck of a bottle or vessel having a surrounding guard-wall connected to said neck by a friable web and
10 formed with recessed slots, a cap having recessed lugs adapted to engage the slots in

said wall, and springs in the recesses of the lugs and slots adapted to lock said cap upon the wall, substantially as described.

In testimony whereof I have hereunto set
my hand in presence of two subscribing witnesses.

PETER J. WILSON.

Witnesses:

J. A. P. JACKSON,

C. P. CLARK.