

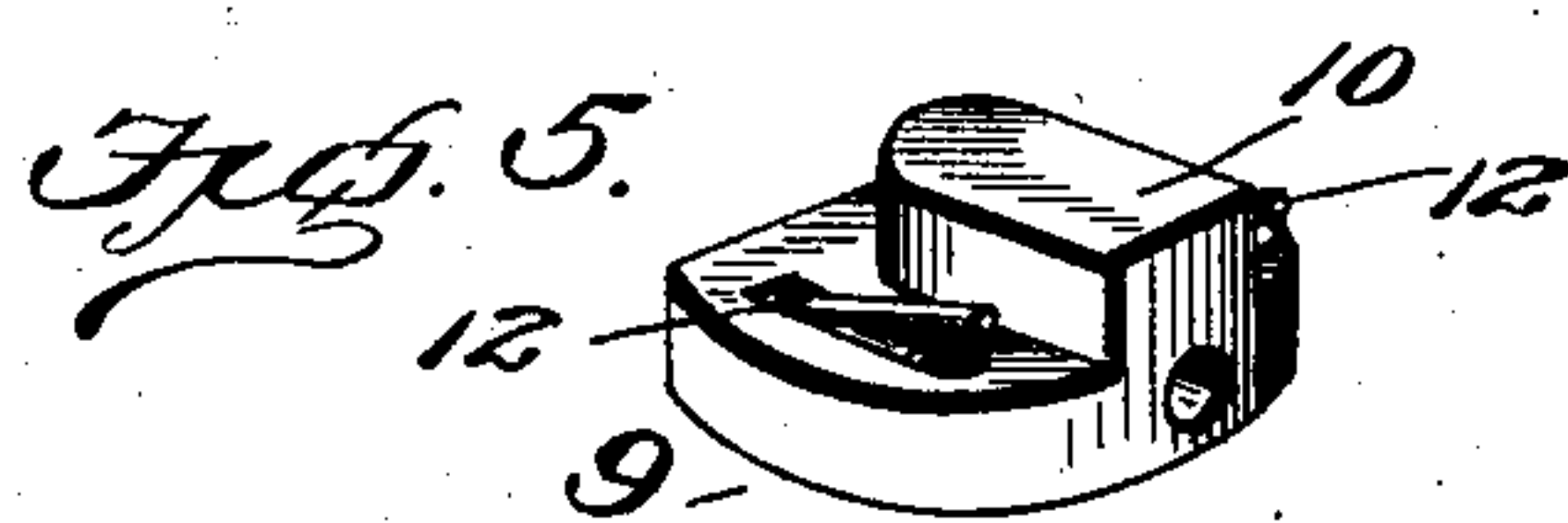
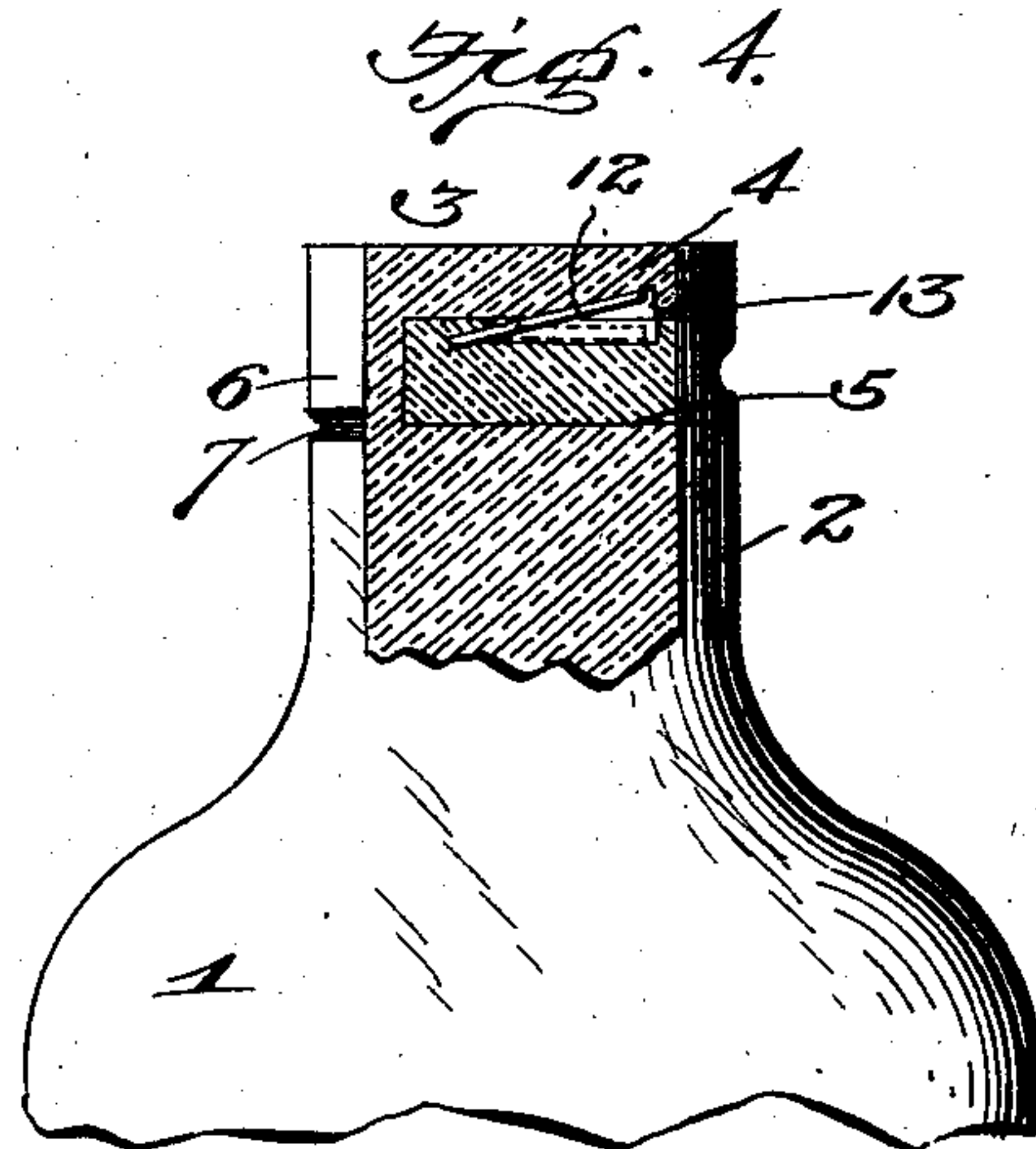
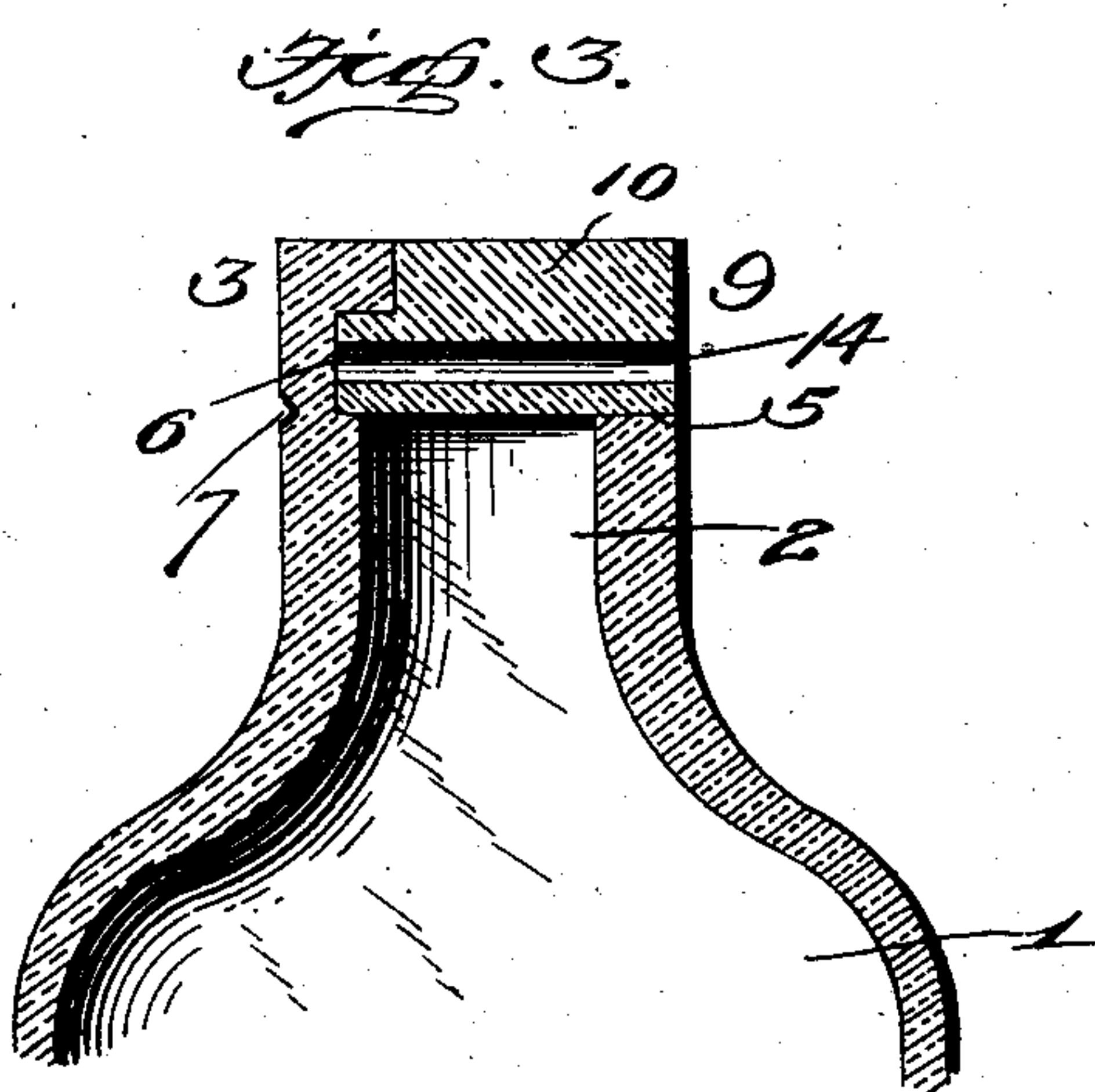
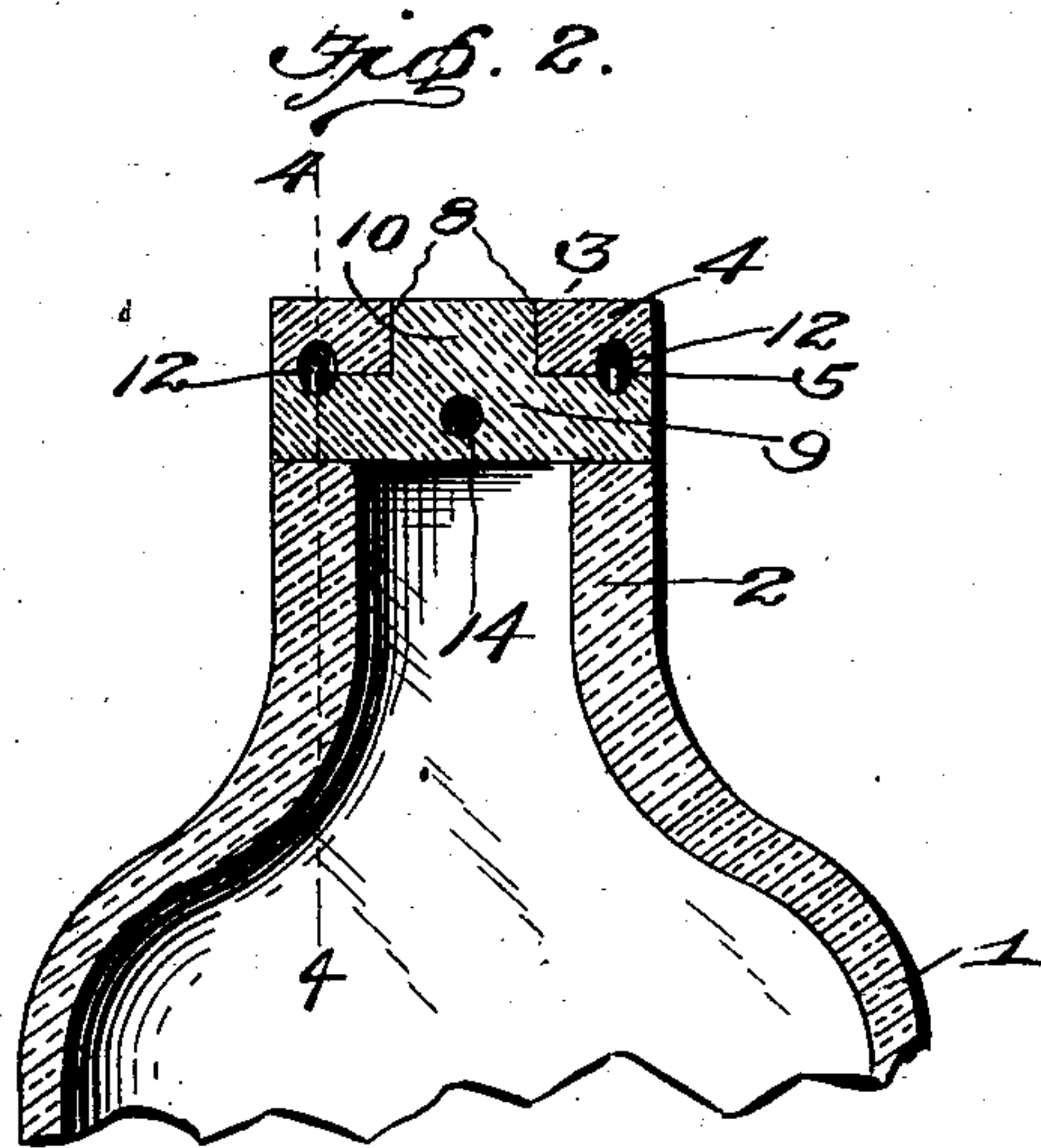
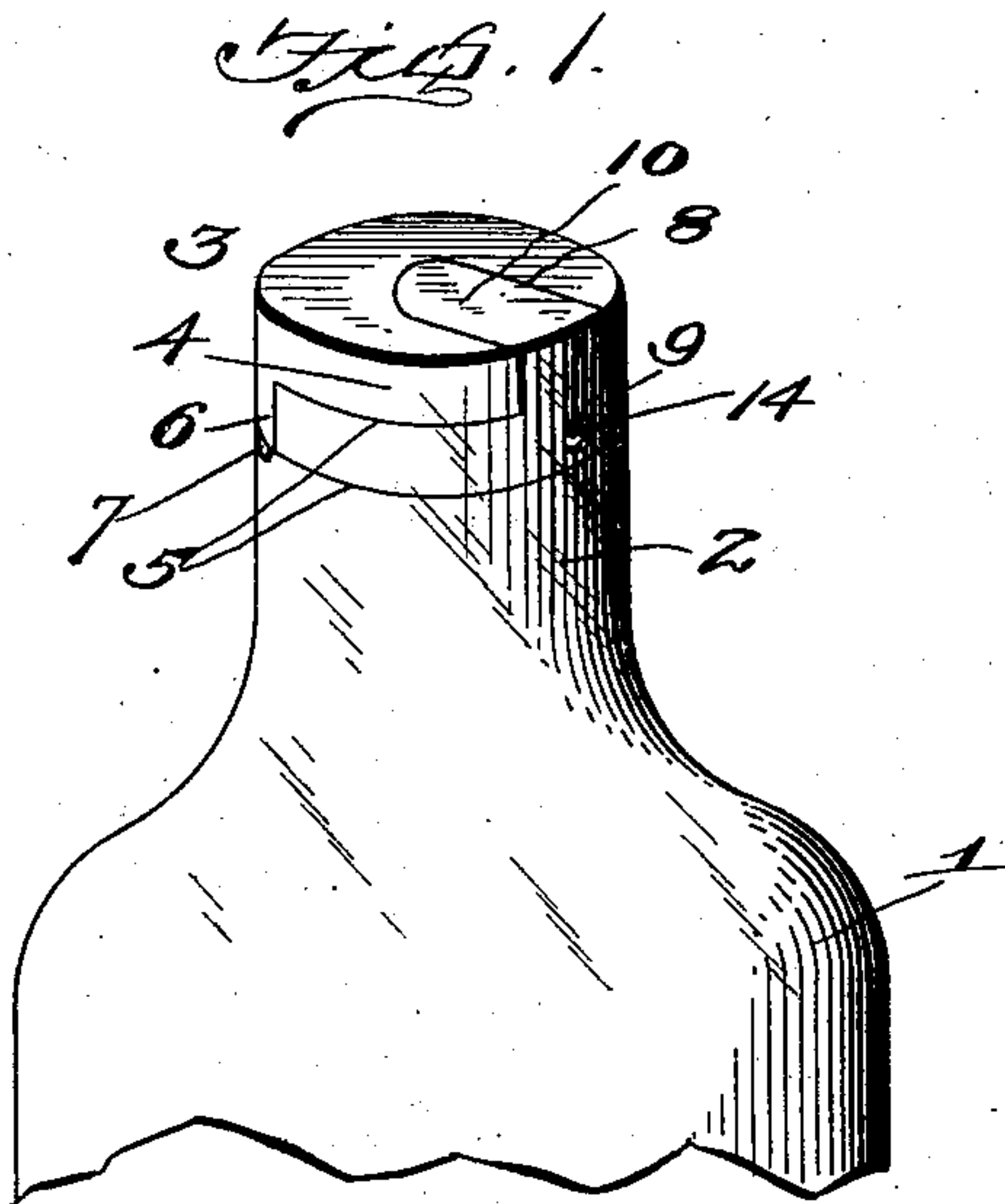
No. 729,475.

PATENTED MAY 26, 1903.

P. J. WILSON.
BOTTLE.

APPLICATION FILED MAR. 16, 1903.

NO MODEL.



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UNITED STATES PATENT OFFICE.

PETER J. WILSON, OF BEN LOMOND, CALIFORNIA.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 729,475, dated May 26, 1903.

Application filed March 16, 1903. Serial No. 148,060. (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.

This invention relates to improvements in bottles, and particularly to the type of non-refillable bottles.

The object of the invention is to provide a bottle or other container and a seal for the same whereby after the bottle has been filled and corked the same may be sealed so that the contents cannot be removed without breaking some part of the bottle.

A further object is to provide a bottle of this character which will be simple in construction, cheaply manufactured, the opening of which will so destroy the original structure of the bottle that the same cannot be refilled sealed in its original form.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the appended claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a bottle embodying my invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a vertical section taken at right angles to Fig. 2. Fig. 4 is a similar view on the line 4 4 of Fig. 2, and Fig. 5 is a detail perspective view of the sealing-disk.

In the drawings, 1 denotes a bottle, which may be of any desired shape, size, or configuration, 2 denotes the neck of the bottle, and 3 denotes the head or cap arranged above the neck 2 and adapted to have a frangible connection with the same. The head or cap 3 consists of a circular disk 4, arranged above the upper end of the neck and spaced apart from the same to form between the said end and the disk a horizontally-disposed slot 5, the disk 4 being supported above the top of the bottle neck and mouth and integrally connected to the same by an extension 6 of the

neck, as shown. The extension 6 has formed around its outer side and on a level with the top of the bottle-neck a groove 7, which facilitates the breaking of the extension at this point. In the opposite side of the disk 4 from the extension 6 is formed a vertically-disposed slot 8, which communicates with the horizontally-disposed slot 5.

9 denotes a sealing-disk which conforms to and is adapted to be inserted in the slot 5 and to snugly fit between the head or disk 4 and the top of the bottle-neck. 10 denotes a lug or projection formed on and preferably integral with the disk, the said lug 10 being adapted to enter the vertical slot 8 and to snugly fit within the same.

12 denotes spring-catches fixed to the disk 9, preferably upon the upper side of the same and on each side of the lug 10. The catches 12 are adapted to be seated in grooves or depressions in the disk, so that they may be forced down to lie flat or flush with the upper surface of the disk to enable the same to be pushed in the slot between the head 3 and end of the bottle-neck. The under side of the disk or head 3 is cut away on each side of the same to form shoulders 13. When the sealing-disk is inserted in the slot 5, the catches 12 are forced down flush with the top of the disk until the ends of the same pass the shoulders 13, when they will spring upwardly behind the same and prevent the forward withdrawal of the sealing-disk.

The position of the lug 10 within the vertical slot 8 will prevent any lateral movement of the disk or withdrawal in that direction.

14 denotes a horizontally-disposed hole formed through the center of said disk for the reception of an instrument by the use of which the disk is forced upwardly and the frangible extension of the neck supporting the cap or head is broken off. A wire nail of suitable size or any instrument that may be handy and suitable may be inserted in the hole 14 and used as a lever with which to break off the head or cap 3.

The bottle, as well as the sealing-disk, may be made of any suitable material. The disk 9 and lug 10 are preferably, though not necessarily, formed of glass. The spring-catches 12 may, if desired, be attached to the under side of sealing-disk and shoulders formed on

the top of the bottle-neck for the reception of the same.

In practice the bottle is filled and a cork is inserted in the mouth of the same and pressed
5 down flush with the top of the neck. The sealing-disk is then forced into place and held in position by the lug 10 and spring-catches 12. Access to the contents of the bottle may now be had only by breaking off the head or
10 cap 3, as hereinbefore described. A trade-mark or label may be fixed or formed upon the bottle-neck, if desired, in such a position as to be destroyed when the parts are broken.

From the foregoing description, taken in
15 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,
20 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,
25 what I claim as new, and desire to secure by Letters Patent, is—

1. A bottle or other container having a disk-shaped head or cap frangibly connected to and supported above the mouth of said con-
30 tainer, a sealing-disk arranged between said head or cap and the mouth of said container, and means for preventing the withdrawal of said sealing-disk, substantially as described.

2. A bottle or other container having a
35 disk-shaped head or cap frangibly connected to and supported above the mouth of said container, a sealing-disk arranged between said head or cap and the mouth of said container, spring-catches carried by said sealing-disk
40 and adapted to engage shoulders or notches formed on the under side of said head or cap

whereby the withdrawal of said disk is prevented, substantially as described.

3. A bottle or other container, having a disk-shaped head or cap frangibly connected
45 to and supported above the mouth of said container, a sealing-disk arranged between said head or cap and the mouth of said container, a vertically-disposed slot formed in one side of said head or cap, a lug or extension formed
50 on the upper side of said disk and adapted to engage said slot, and spring-catches carried by said disk and adapted to engage shoulders or notches formed on the under side of
55 said head or cap, whereby lateral movement or withdrawal of said disk is prevented, substantially as described.

4. A bottle or other container having a disk-shaped head or cap frangibly connected to and supported above the mouth of said con-
60 tainer, a sealing-disk arranged between said head or cap and the mouth of said container, a vertically-disposed slot formed in one side of said head or cap, a lug or extension formed on the upper side of said disk and adapted
65 to engage said slot, and spring-catches carried by said disk and adapted to engage shoulders or notches formed on the under side of said head or cap, whereby lateral movement or withdrawal of said disk is prevented, a hole
70 or opening formed in the edge of said sealing-disk whereby a tool may be inserted to facilitate the breaking off of said head or cap, substantially as described.

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

PETER J. WILSON.

Witnesses:

G. A. DIELER,
WM. WALKER.