

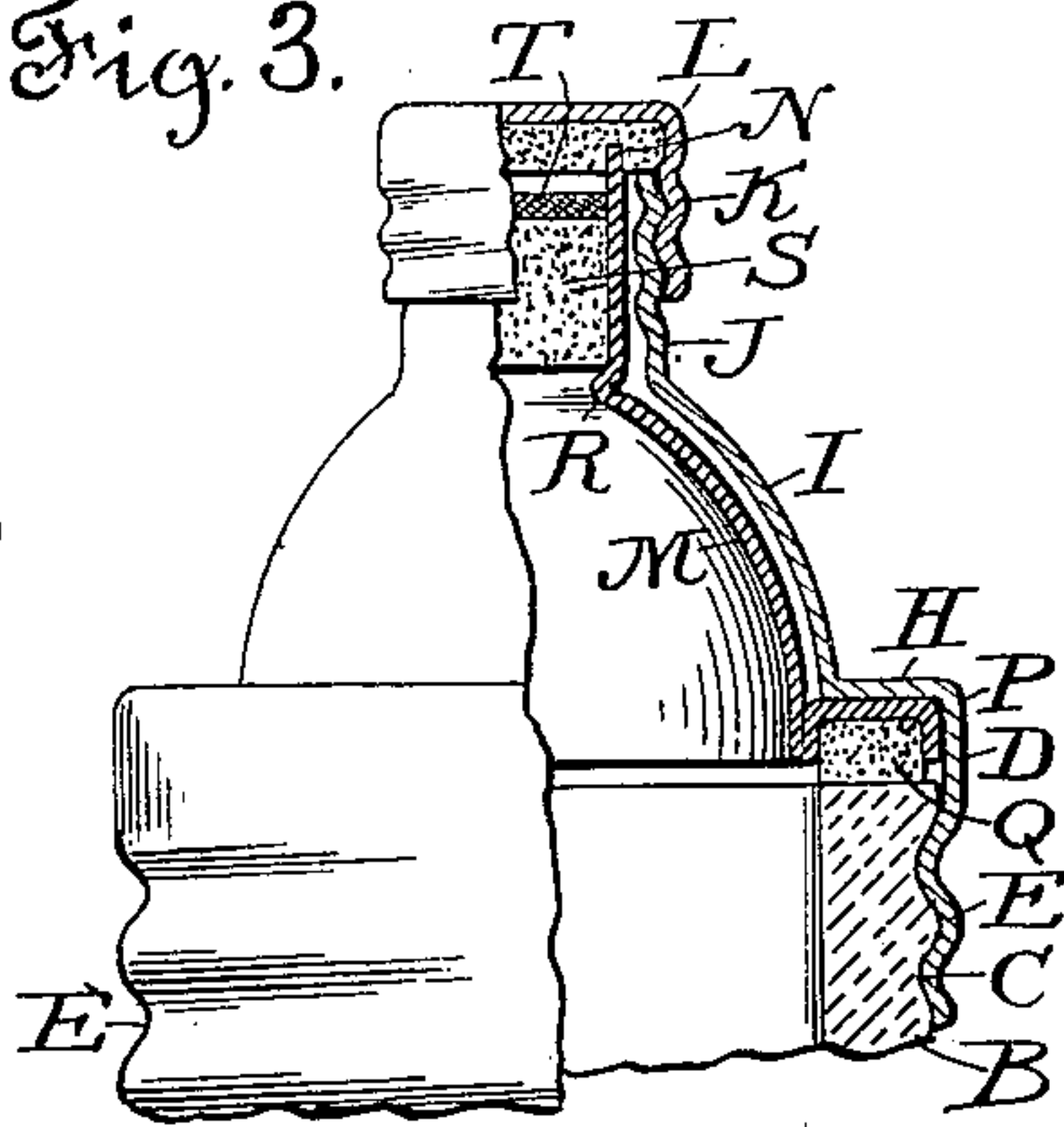
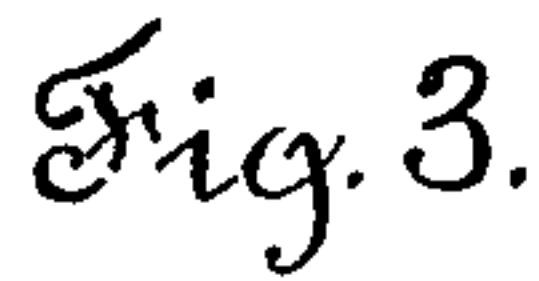
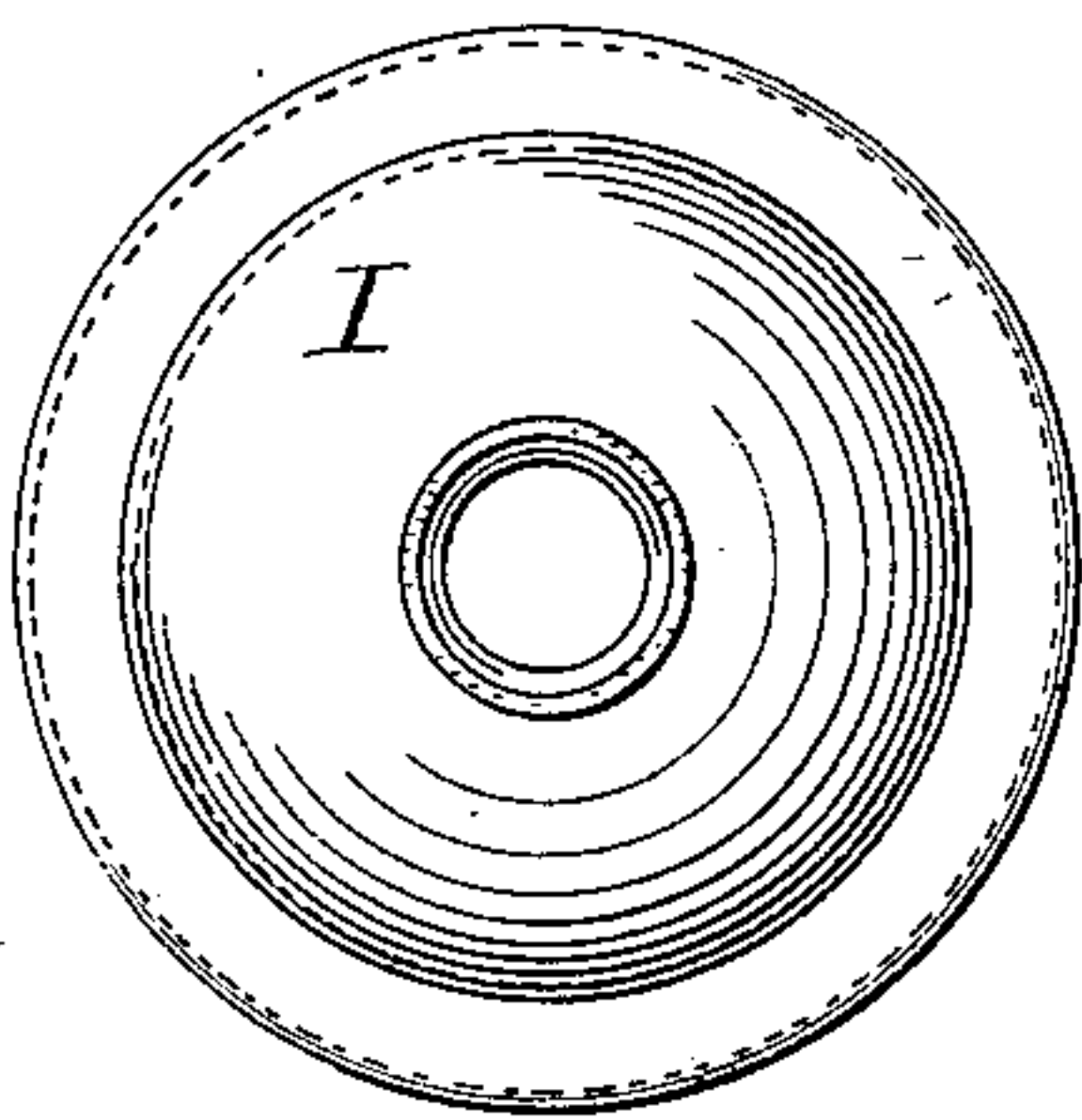
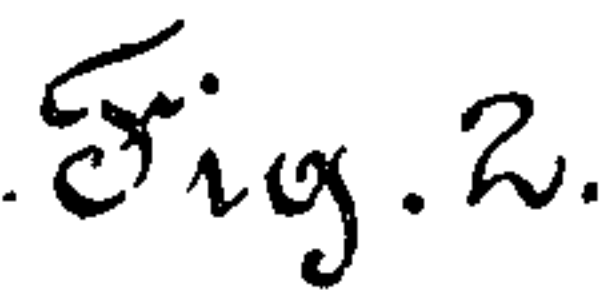
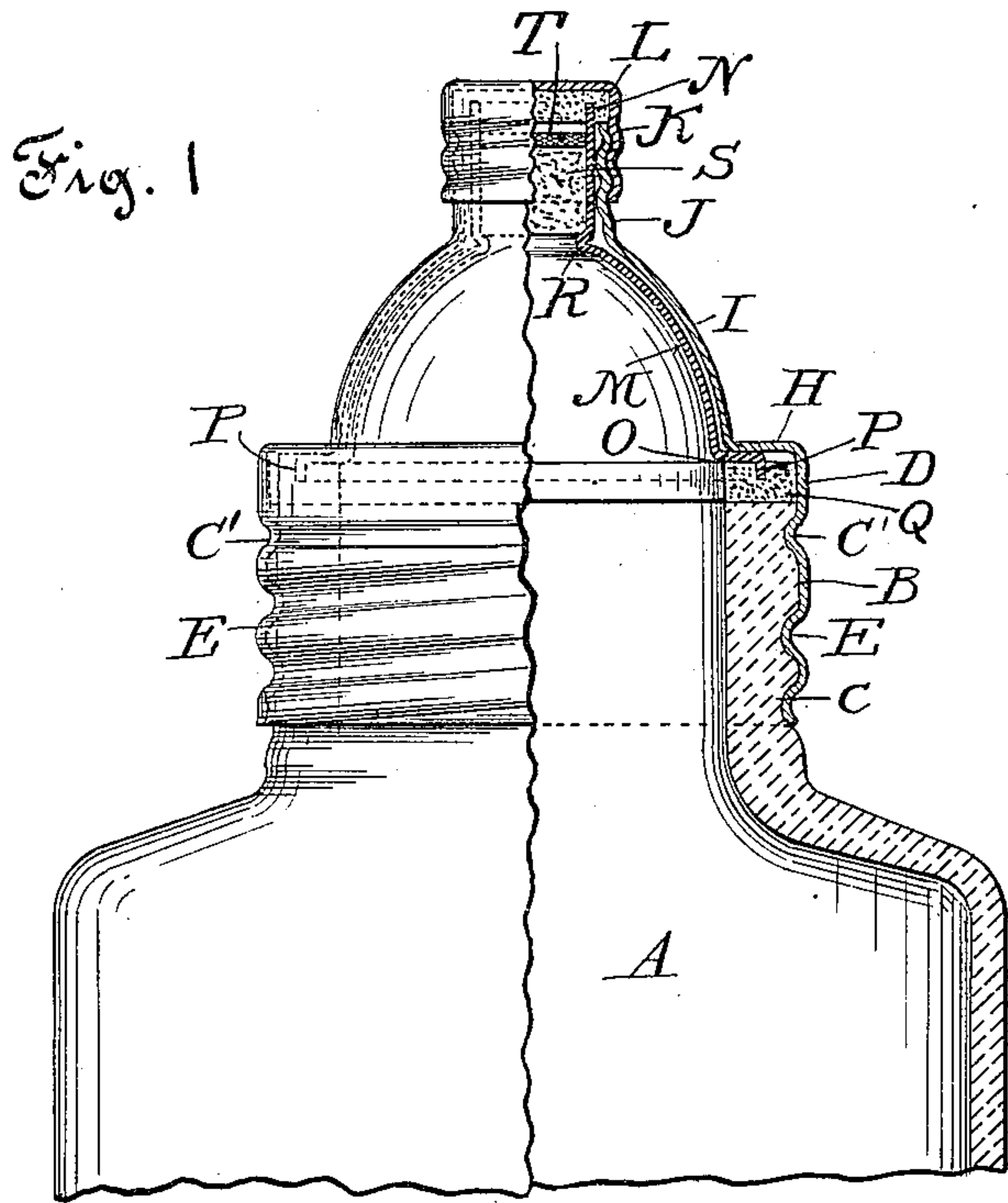
**No. 658,383.**

**Patented Sept. 25, 1900.**

**A. A. LOW.**  
**SEALING CAP FOR VESSELS.**

(Application filed Jan. 9, 1900.)

(No Model.)



*WITNESSES:*

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# UNITED STATES PATENT OFFICE.

ABBOT AUGUSTUS LOW, OF NEW YORK, N. Y.

## SEALING-CAP FOR VESSELS.

SPECIFICATION forming part of Letters Patent No. 658,383, dated September 25, 1900.

Application filed January 9, 1900. Serial No. 812. (No model.)

*To all whom it may concern:*

Be it known that I, ABBOT AUGUSTUS LOW, a citizen of the United States, and a resident of New York, (Brooklyn,) in the county of Kings and State of New York, have invented a certain new and useful Sealing-Cap for Vessels, of which the following is a specification.

My invention relates to caps for hermetically sealing bottles and other vessels to protect the contents from the atmosphere and to prevent the vessels from being opened without detection; and to this end my invention consists in certain elements and combinations fully specified and claimed herein.

In order that persons skilled in the art to which my invention appertains may understand, construct, and use my invention, I will proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a vertical central section of a bottle provided with my invention, partly in elevation. Fig. 2 is a top view or plan. Fig. 3 is a modification of inner shield and flange.

A is the body of the bottle.

B is the neck, provided on its exterior with a screw-thread C and a slight recess or depression C', just above the thread C.

D is the barrel of the sealing-cap, provided with a screw E to match the screw C on the bottle-neck.

H is a flange turned inwardly about at right angles to the vertical sides of the barrel D.

I is a dome rising from the inner edge of the flange H and terminating above in a tubular discharge-opening J, threaded upon its outer circumference and provided with a threaded closing-cap K and packing L.

M is an internal shield or lining conforming generally to the shape of the body of the cap, but varied in particular features. It extends at N slightly above the discharge-tube J, and at its base it is flanged outwardly at O to extend under flange H, and at the outer edge of flange O a rim P is turned downward, so that when the barrel D is screwed upon the bottle-neck after the bottle is filled the rim P is forced over the packing Q, located upon the top of the walls of the neck of the bottle and under the flange H. In the modification, Fig. 3, the flange O has two rims turned downward under it to wholly inclose the packing Q within its walls to prevent the packing Q from spreading sidewise. The screw-cap K when screwed upon the discharge-

tube J forces the upper edge of the shield M into the cork or packing L at N, thus effecting an air-tight inclosure within the internal shield M, so that no air can enter and none of the contents of the bottle can pass.

The upper portion of the shield M above the dome portion is tubular and nearly fits the interior of the discharge-tube J at about the crown of the dome. This tubular portion is drawn in somewhat to form a seat for a cork or other suitable material at R. S is a stopper which is placed in said internal shield-tube and extends nearly to the top of said tube. Above said cork or stopper a seal T is placed of any desired construction and material, which when removed indicates that the bottle has been tampered with. This sealing is of course done before the cap K is screwed upon the tube J. The barrel D of the cap is to be secured upon the neck B after the bottle is filled, and the cap is screwed on by indenting the metal of the barrel into the recess C' above the thread C, before referred to.

The above construction furnishes a sealing-cap for vessels which is absolutely tight and irremovable without notice being given of the fact.

Having now fully described my invention and the manner in which I have embodied it, what I claim as new and as my invention, and desire to secure by Letters Patent, is—

A sealing-cap for vessels, consisting of the barrel, as D, for securing it to the vessel; flange as H; dome as I; discharge-tube as J; and closing-cap as K; internal shield M, provided at its base with flange as O, and rim as P, adapted to inclose a packing as Q, between the flange O, and the top of the walls of the vessel, and at its top adapted to enter the packing of the closing-cap, and to inclose a stopper and seal, beneath said closing-cap, all constructed, arranged and combined when applied to a vessel, to seal the same hermetically, and to prevent the vessel from being opened without detection, substantially as specified.

Signed at New York, in the county of New York and State of New York, this 28th day of December, A. D. 1899.

ABBOT AUGUSTUS LOW.

Witnesses:

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