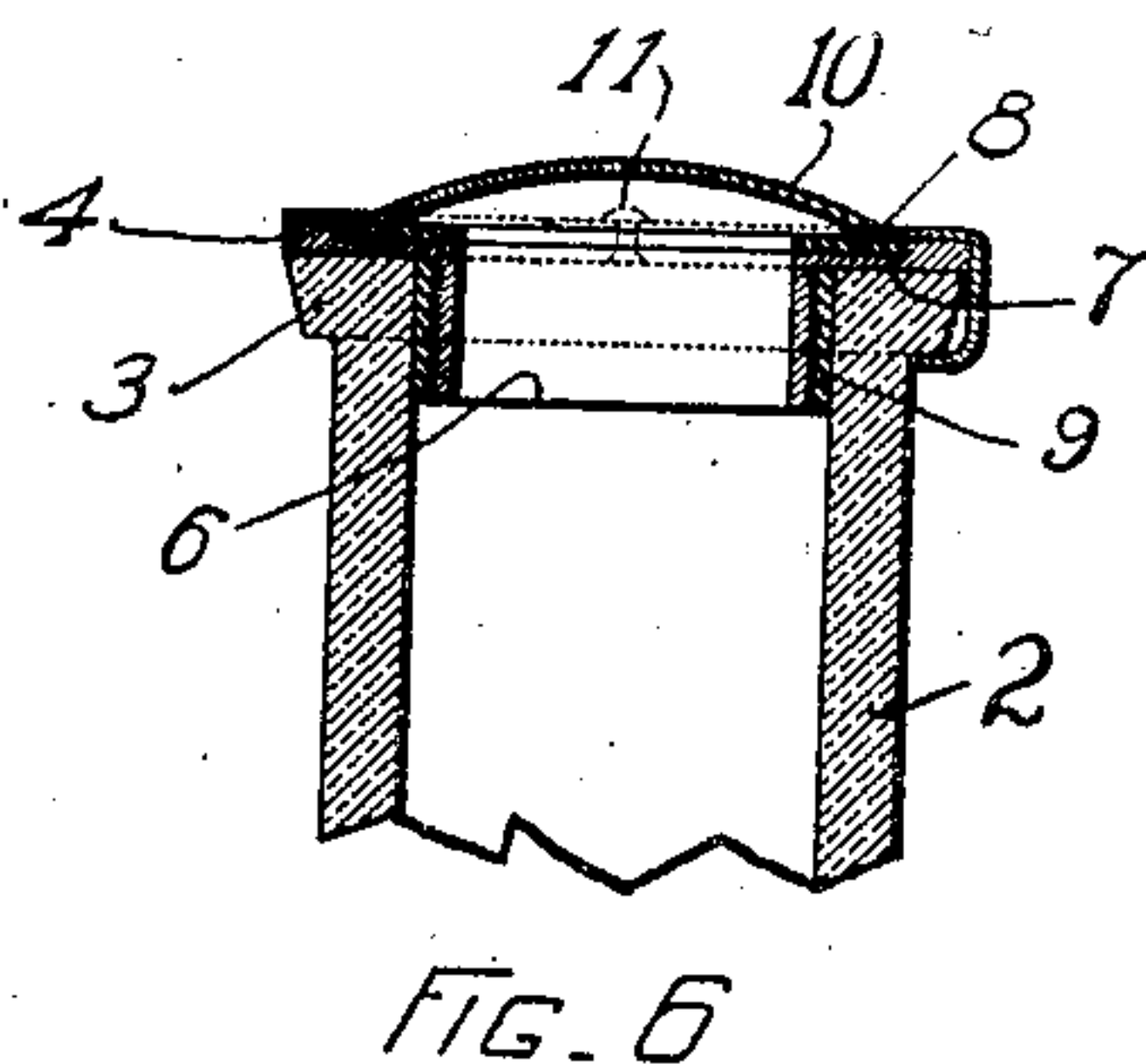
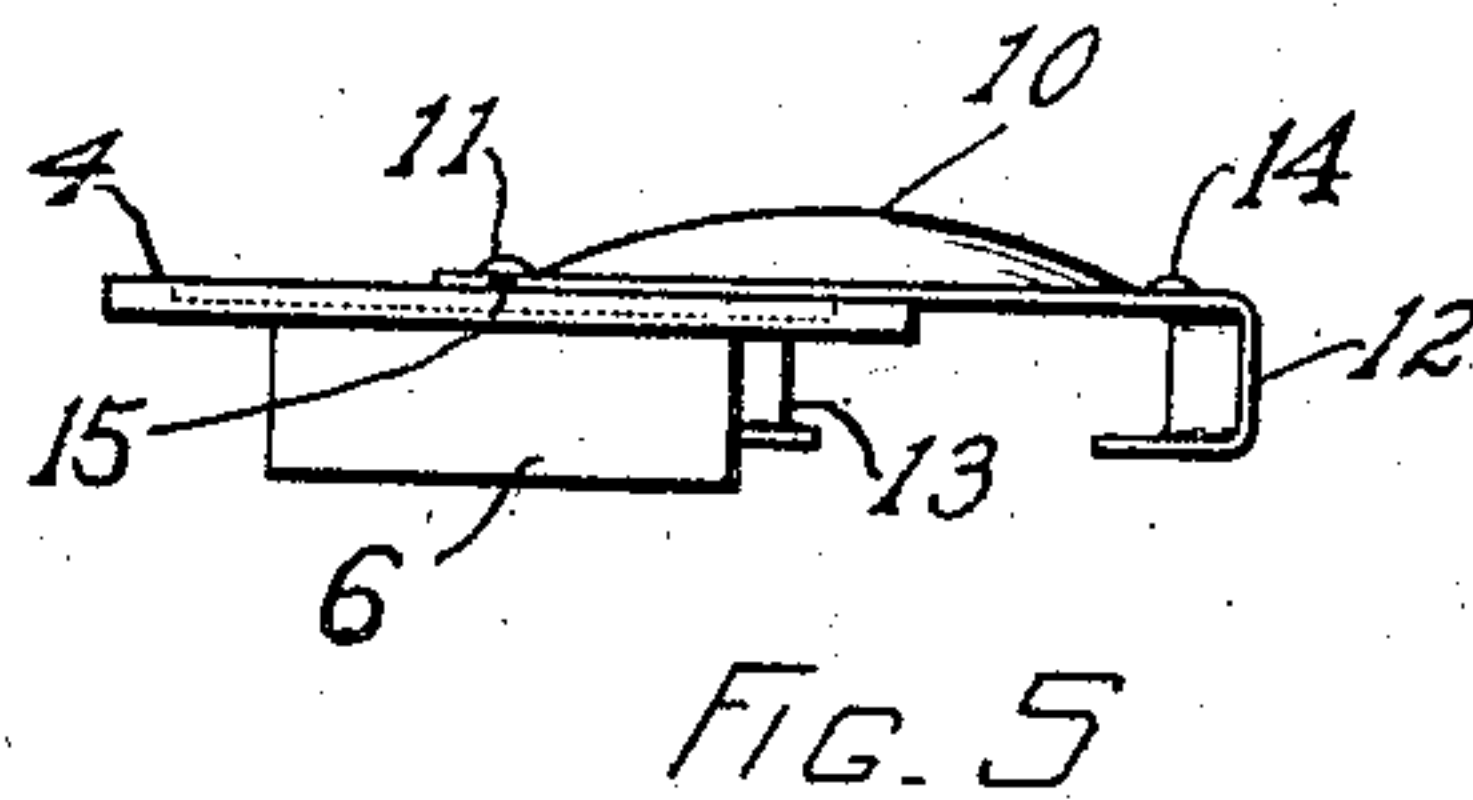
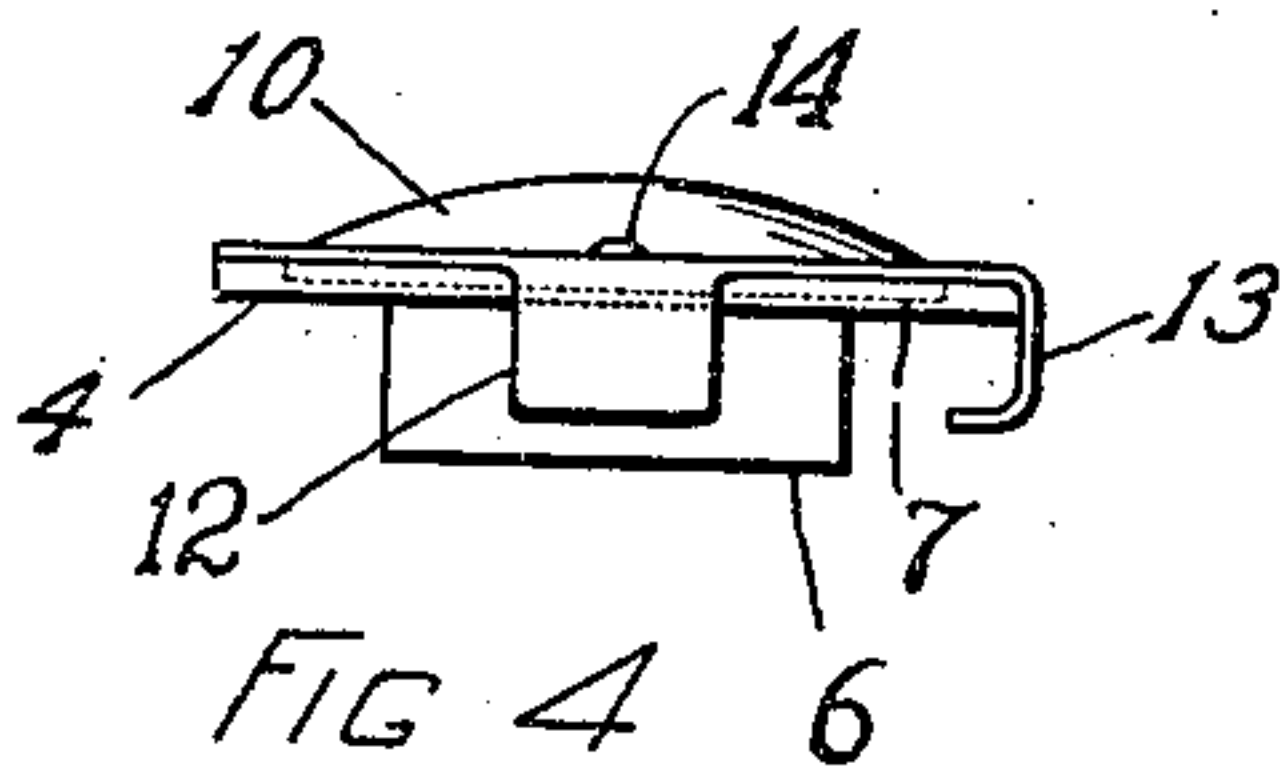
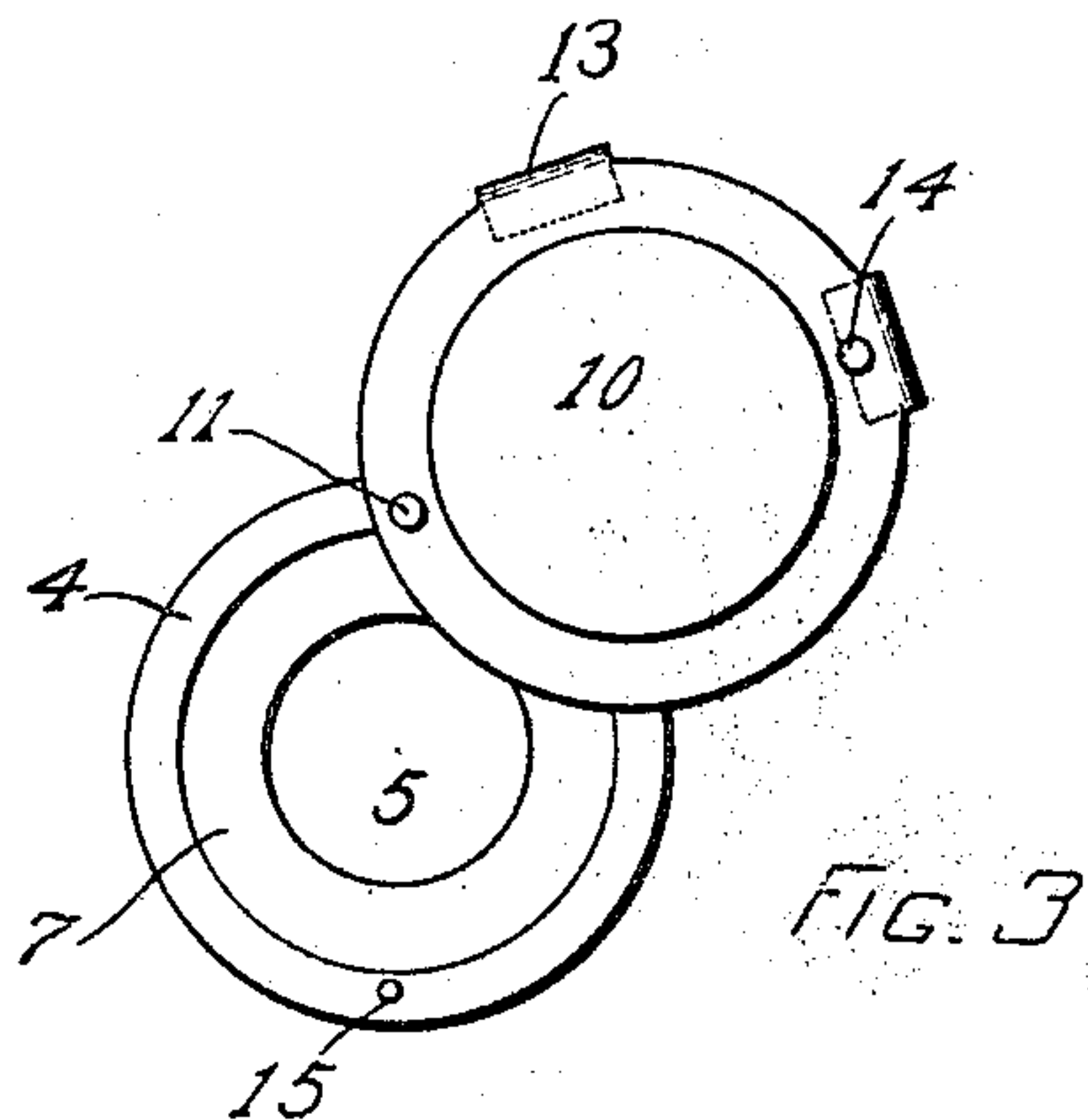
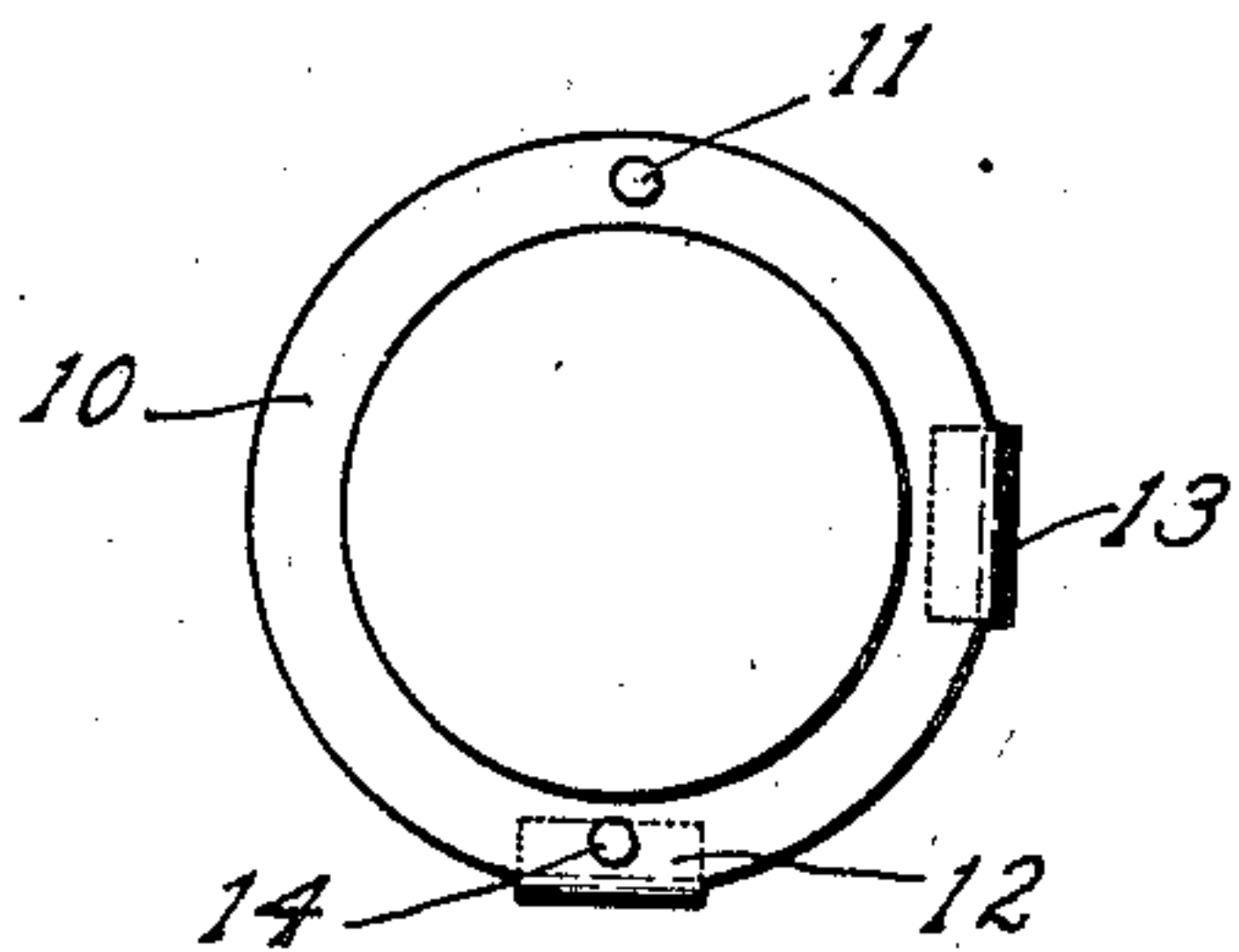
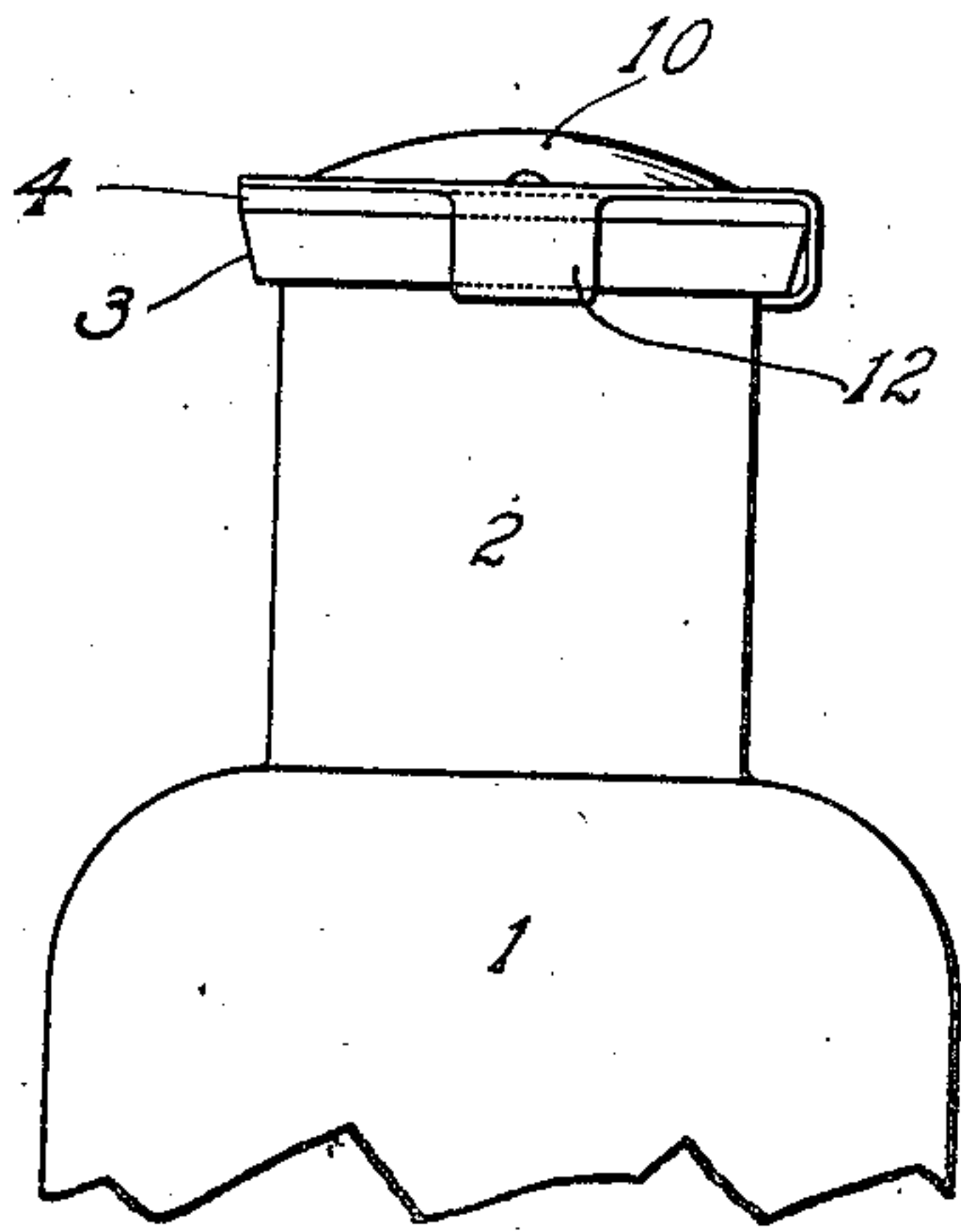


No. 882,548.

PATENTED MAR. 17, 1908.

E. D. CHELLIS.
CLOSURE FOR CONTAINING VESSELS.
APPLICATION FILED MAR. 21, 1907.



WITNESSES
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UNITED STATES PATENT OFFICE.

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MAINE.

CLOSURE FOR CONTAINING VESSELS.

No. 882,548.

Specification of Letters Patent.

Patented March 17, 1908.

Application filed March 21, 1907. Serial No. 363,734.

To all whom it may concern:

Be it known that I, EUGENE D. CHELLIS, of Portland, in the county of Cumberland and State of Maine, have invented certain
5 new and useful Improvements in Closures for Containing Vessels, of which the following is a specification.

This invention relates to closures for vessels; and particularly to a closure adapted
10 to be applied to stock vessels subject to frequent opening but required to be kept tightly sealed when closed.

In devices of this sort it is desirable that the closure fit the mouth of the vessel
15 tightly and when closed that it be locked on the mouth in such a way that it will stand any outward strain tending to force it off.

To the end above indicated I have devised my present invention in which I employ a cap which engages the interior of the
20 mouth of the vessel and when closed positively engages the exterior of the vessel mouth to lock the entire cap in place.

The structure and principle of this device
25 will be more fully set forth in the specification which follows, and in the drawings which form a part thereof I have illustrated a closure embodying my invention.

In these drawings: Figure 1, is a view of
30 this closure in place on a bottle. Fig. 2, a plan view of the closure removed from the bottle. Fig. 3, a similar view with the closure open. Fig. 4, a front view of the closure removed. Fig. 5, a similar view open, and
35 Fig. 6, a transverse vertical section of cap and bottle as shown in Fig. 1.

1 indicates an ordinary stock bottle having a depressed portion 2 on its neck leaving a rim or shoulder 3 about the mouth thereof.

4 is a cap plate having a central opening
40 5 therein and a depending flange 6 surrounding said opening.

7 is a depression about the opening 5 and adapted to contain an annular packing 8.

9 is a suitable packing to surround the
45 flange 6 and give a tight fit between said flange and the interior of the bottle neck.

10 is a cover pivoted to the plate 4 at 11 and laterally swinging thereon to cover and
50 uncover the same. The cover 10 is provided with a depending locking lip 12 on its circumference opposite to the pivot 11 and preferably with a second locking lip 13 of a similar nature but arranged on one side of
55 the cover to afford additional engagement

with the bottle neck and at the same time form a stop for the cover 10.

14 and 15 are cooperating indented catches on the cover and plate respectively for holding the cover in closed position.

In applying the cap to a bottle the packing 9 is placed about the flange 6 and with the cover 10 open the cap is forced onto the mouth of the bottle with the flange within its mouth and the packing 9 compressed between it and the interior surface of the neck. The plate is thus held from any lateral movement.

The cover 10 is closed by laterally swinging the same until the locking lips 12 and 13 are in position engaging the shoulder 3. In this position the cap will be held positively against disengagement but may be readily removed by swinging off the cover and pulling out the flange 6 from the bottle mouth.

Various modifications in the pivoting of the cover and of the construction of the plate and flange may obviously be made without departing from the spirit of my invention.

What I therefore claim and desire to secure by Letters Patent, is:—

1. A device of the class described consisting of a plate, means for engaging the mouth of a vessel internally, a cover pivoted to said plate and adapted to be swung laterally thereon, and means on said cover to engage an exterior shoulder on a vessel neck when in closed position.

2. A device of the class described consisting of a plate, a depending flange for engaging the mouth of a vessel internally, a cover pivoted to said plate and adapted to be swung laterally thereon, and means on said cover to engage an exterior shoulder on a vessel neck when in closed position.

3. A device of the class described consisting of a plate having a central opening therein, a depending flange for engaging the mouth of a vessel internally, a cover pivoted to said plate and adapted to be swung laterally thereon, and means on said cover to engage an exterior shoulder on a vessel neck when in closed position.

4. A closure for a containing vessel having a shoulder about its mouth comprising a cap consisting of a plate having a central opening therein, a depending flange for engaging the mouth of the vessel internally, a packing between said flange and the in-

terior of the vessel mouth, a cover pivoted to said plate and adapted to be swung laterally thereon, and a lip on said cover to engage the shoulder when in a closed position.

5. In a closure for containing vessels, a pair of members, means for providing relative movement between said members, means on one member for internally engaging the mouth of a vessel and on the other of

said members to engage an exterior shoulder on a vessel neck when said members are in closed position.

In testimony whereof I have affixed my signature, in presence of two witnesses.

EUGENE D. CHELLIS.

Witnesses:

C. M. GODFREY,
GERRY L. BROOKS.