

C. H. PERRY.  
METALLIC CASE FOR BOTTLES.  
APPLICATION FILED MAR. 29, 1911.

995,985.

Patented June 20, 1911.

Fig. 2.

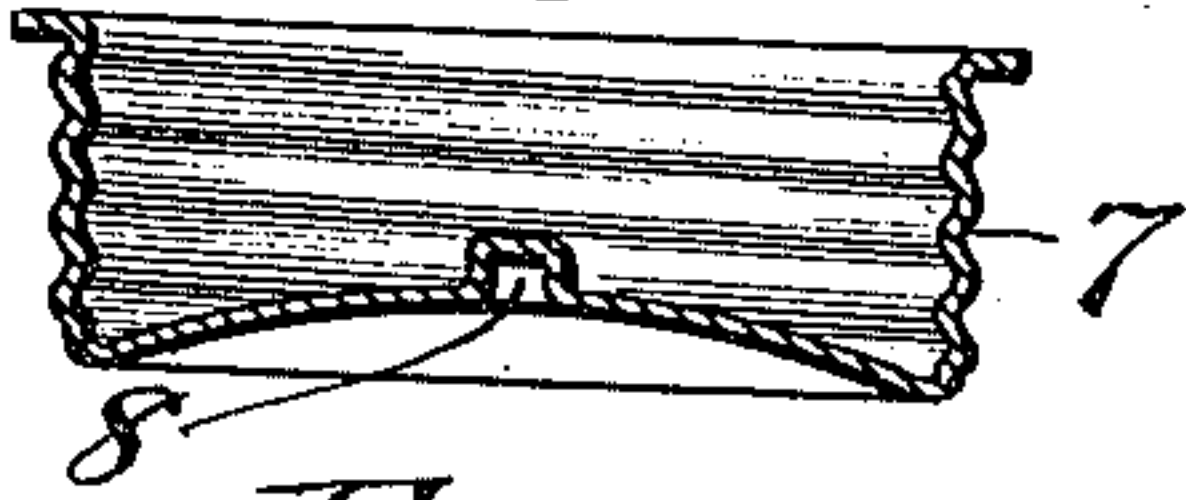


Fig. 3.

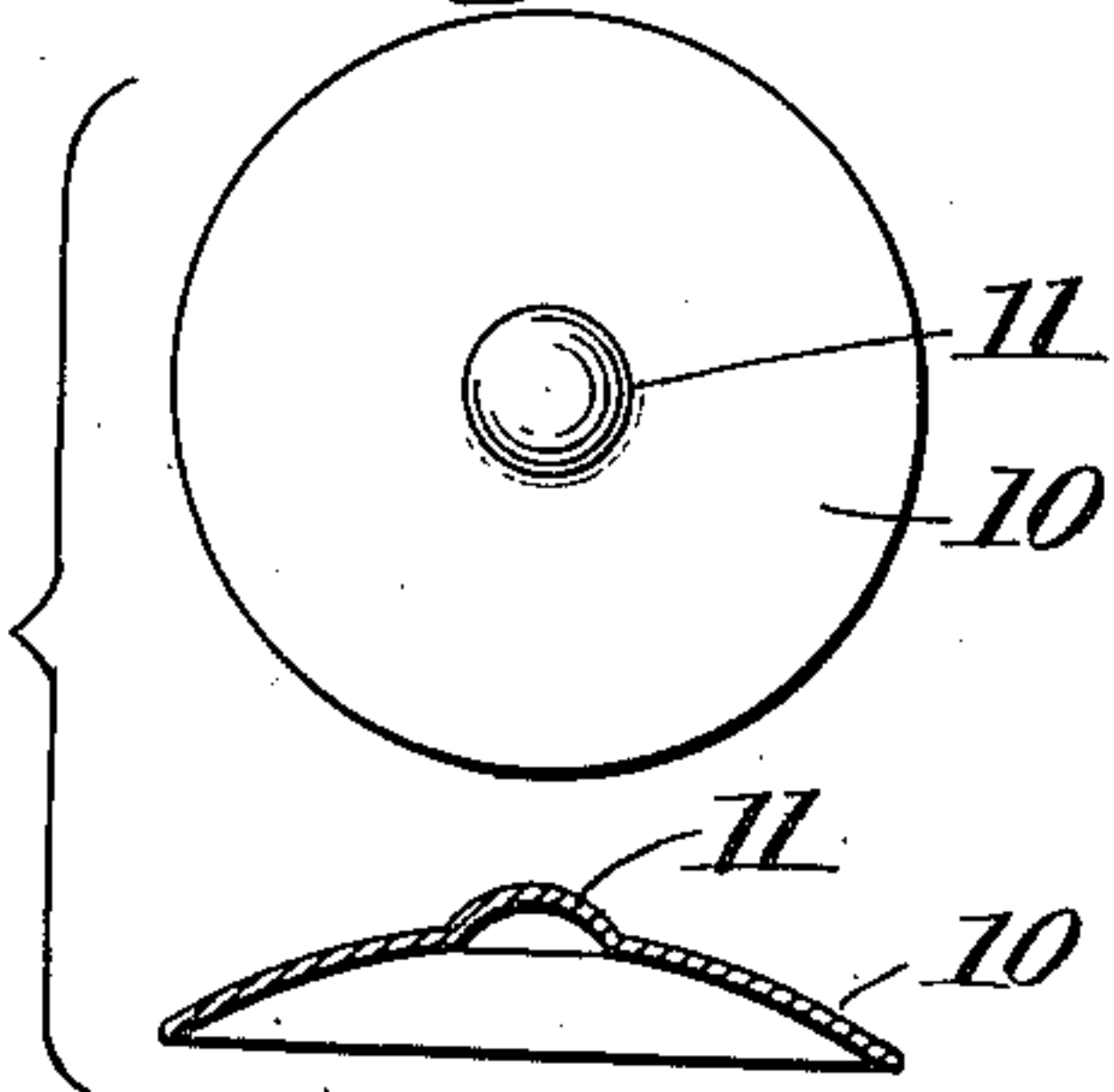


Fig. 4.

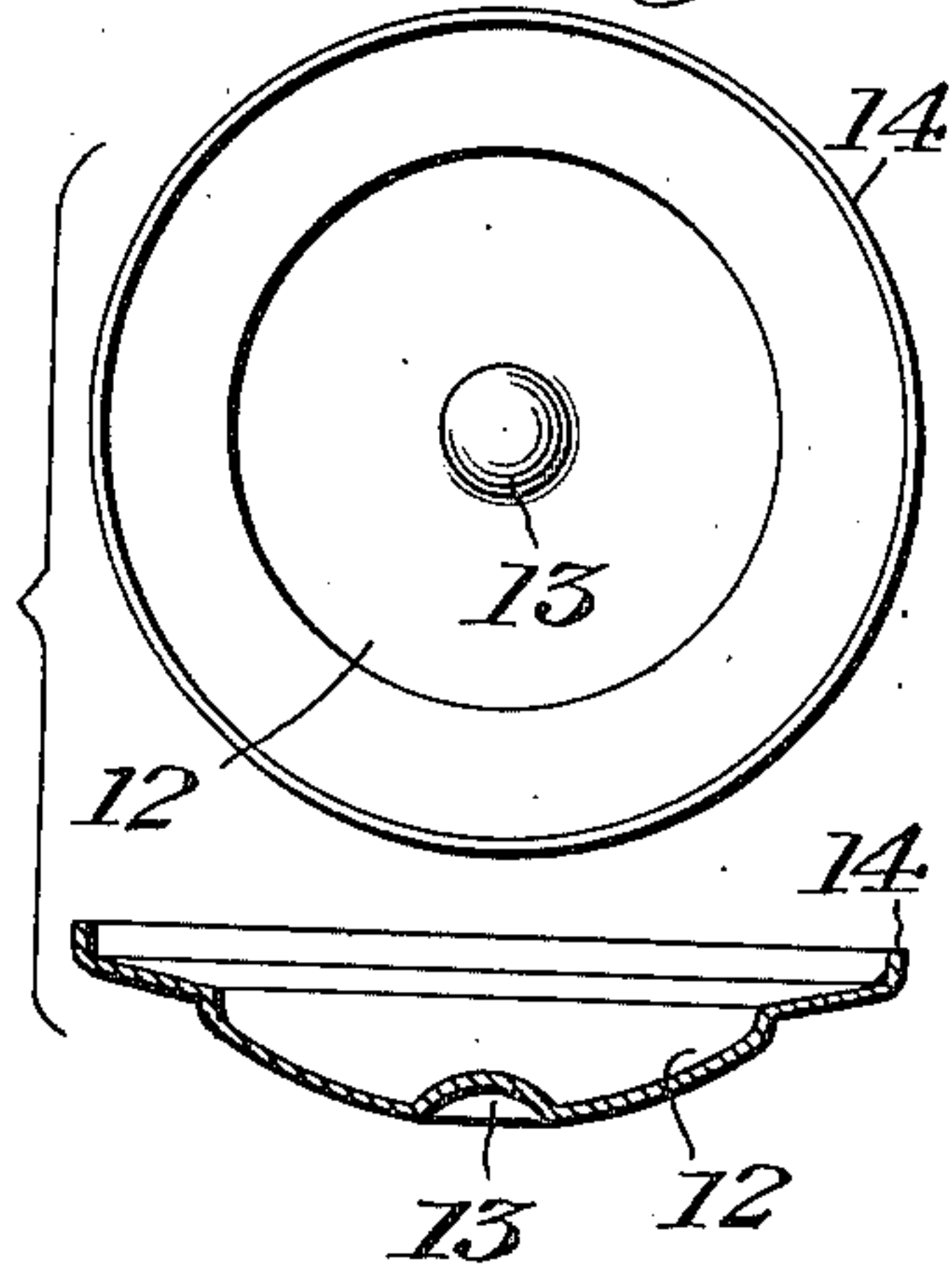
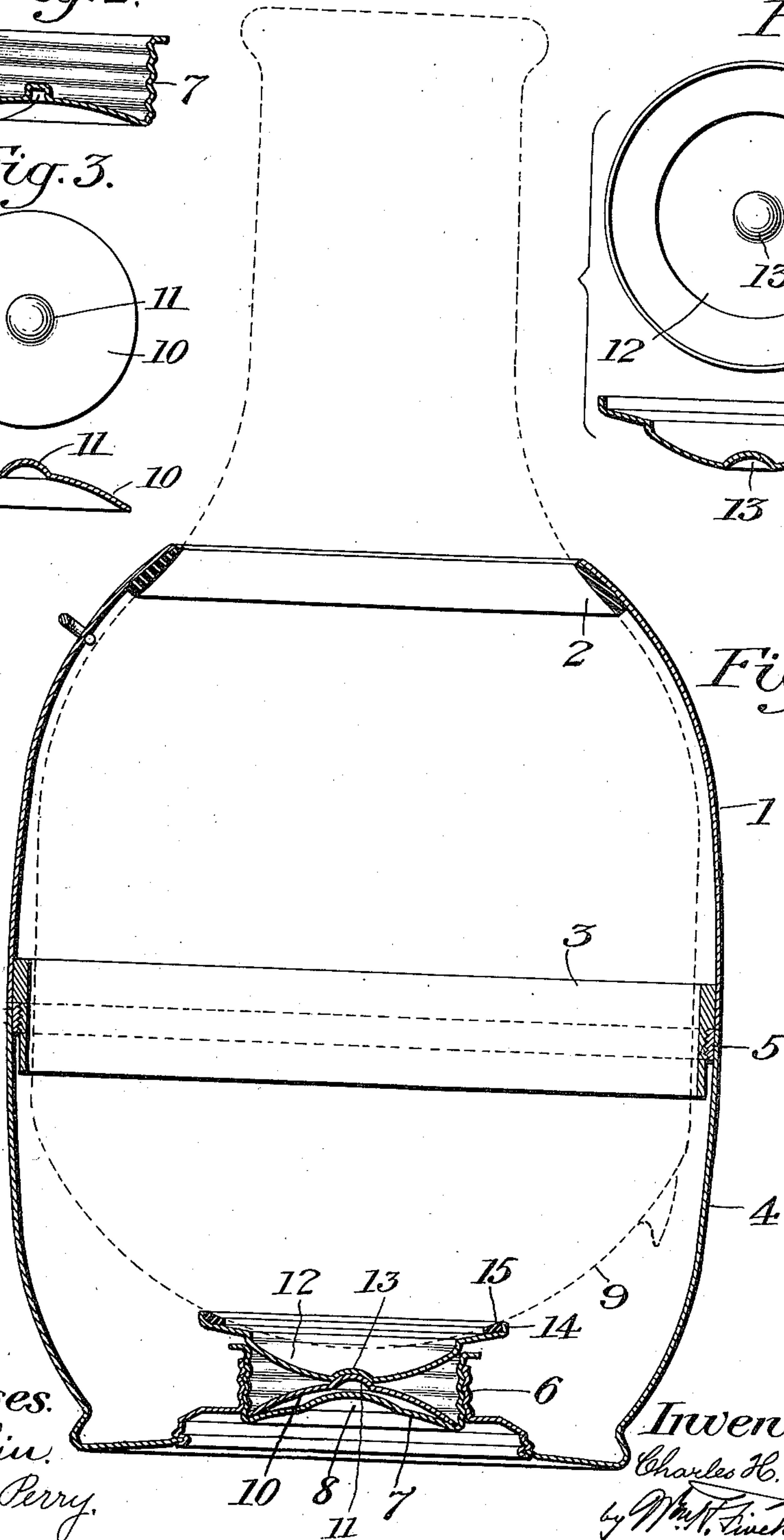


Fig. 1.



Witnesses.

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Atty.



# UNITED STATES PATENT OFFICE.

CHARLES H. PERRY, OF WATERBURY, CONNECTICUT, ASSIGNOR TO AMERICAN THERMOS BOTTLE COMPANY, OF NEW YORK, N. Y., A CORPORATION OF MAINE.

## METALLIC CASE FOR BOTTLES.

995,985.

Specification of Letters Patent. Patented June 20, 1911.

Application filed March 29, 1911. Serial No. 617,764.

*To all whom it may concern:*

Be it known that I, CHARLES H. PERRY, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Metallic Cases for Bottles, of which the following is a full, clear, and exact description. In mounting thermos bottles, carafes, and the like in metal cases made in halves which are screwed together, it sometimes occurs that the glass bottle binds on the screw shell used to close the bottom of the lower half of the case, and makes impossible a proper adjustment of parts. In order to overcome this difficulty, I interpose a two-part swivel between the bottom of the bottle and the screw shell, one part being in the screw shell and the other in frictional engagement with the bottle, and mounted upon the part in the screw shell so as to permit relative rotation, so that the bottle and its swivel member may turn upon the swivel member in the screw shell as the case is fitted together, thus permitting the bottle, no matter how irregular its bottom may be, to adjust itself in the case and the case and its parts to be assembled accurately and securely, all as I will proceed now more particularly to set forth and finally claim.

In the accompanying drawing illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a vertical section of the case showing the bottle or carafe in dotted lines. Fig. 2 is a cross-section of the screw shell, taken at right angles to the section shown in Fig. 1. Fig. 3 shows in top plan view and cross-section the swivel member that is arranged in the screw shell. Fig. 4 is a top plan view and cross-section of the swivel member upon which the bottle or carafe directly rests.

The case may be composed of the upper half 1, having the gasket 2 at its upper end to make a tight friction joint with the breast of the bottle, and the screwthreaded flange 3 at its opposite end, and the lower half 4 having the screwthreaded collar 5, at its upper end, and the screwthreaded opening 6, at its lower end. In this screwthreaded opening 6 is arranged the ultimate bottle support, here shown as a screw shell 7, having a depression 8 or other medium to re-

ceive a screw-driver or other implement for turning the screw shell to place.

The bottle, carafe, or other vessel 9 may be of any approved construction, and the case will be of corresponding construction, the bottle being placed within the lower half of the case, while the upper half of the case is placed over its neck, and then the two halves are connected by means of the screwthreaded flange 3 and collar 5, rotary motion being imparted to the lower half of the case, usually in order to effect such connection.

Heretofore the bottle has rested in the top of the screw shell, and when the case is turned and the bottle binds in the screw shell, the screw shell is apt to be thrown out of adjustment by being rotated by the bottle. It is the main object of this invention to overcome that difficulty, and to this end I interpose a two-part swivel between the screw shell and the bottom of the bottle, one part of the swivel consisting of a convex plate 10 adapted to rest in the bottom of the screw shell and having a centrally arranged rounded nipple or pivot 11, and the other part of the swivel consisting of a concave plate 12 having a central depression 13 fitted over the nipple or pivot 11 as a bearing, and in such way as to have practically universal rocking or tilting or swivel motion thereon. The plate 12 has a flange 14 to receive and confine a gasket 15 upon which the bottom of the bottle, carafe, or other vessel directly rests and with which it has a frictional contact of sufficient force to cause the bottle and plate to turn together upon the nipple 11.

It will be seen that no matter how firmly the bottle binds upon the swivel member 12, that member is free to turn upon the nipple 11 of the swivel member 10, and consequently the halves of the case may be screwed together without affecting the adjustment of the screw shell. Moreover, the fact that the swivel member which directly receives and supports the bottle or carafe, is a swivel, admits of the automatic adjustment of the bottle thereon, no matter what irregularities there may be in the shape of the bottom of the bottle.

While I have shown and described only one form of swivel, it is to be understood that the invention is not limited to that par-



5 ticular construction, the purpose and object of the invention being accomplished by the interposition of a swivel device between the screw shell and the bottle of such character that the screw shell will not be disarranged in the assembling of the case.

What I claim is:—

10 1. A metallic case for bottles and the like, having an upper and a lower member, and means by which they may be connected and disconnected, a bottle support in the lower member, and a swivel arranged in the said support and adapted to receive the bottle.

15 2. A metallic case for bottles and the like, having an upper and a lower member, and means by which they may be connected and disconnected, a bottle support having an adjustable connection with the lower member, and a swivel interposed between the support and the bottle.

20 3. In a metallic case for bottles and the like, screw connected parts, a screw shell in the lower part, a two-part swivel supported in said screw shell, one of the swivel members being substantially stationary in said shell and the other swivel member projecting outside of said shell and movable upon the other member of the swivel and adapted to support a bottle or other vessel and permit

the screwing together of the parts of the case without affecting the adjustment of the screw shell.

4. In a metallic case for bottles, carafes and the like, an adjustable screw shell arranged in the bottom of the case, a convex plate mounted within said shell and having a central nipple, and a concave plate having a central depression conforming to the nipple and adapted to receive and support the bottle or other vessel.

40 5. In a metallic case for bottles, carafes, and the like, an adjustable screw shell arranged in the bottom of the case, a convex plate mounted within said shell and having a central nipple, and a concave plate having a central depression conforming to the nipple and having a peripheral gasket upon which the bottle or other vessel rests, said concave plate adapted to turn upon the convex plate without affecting the adjustment of the screw shell.

In testimony whereof I have hereunto set my hand this 23rd day of March A. D. 1911.

CHARLES H. PERRY.

Witnesses:

L. P. SPERRY,

C. M. DE MOTT.