J. M. HOTHERSALL.

CONTAINER.

APPLICATION FILED NOV. 1, 1920.

1,435,394. Patented Nov. 14, 1922.

Fig. 1

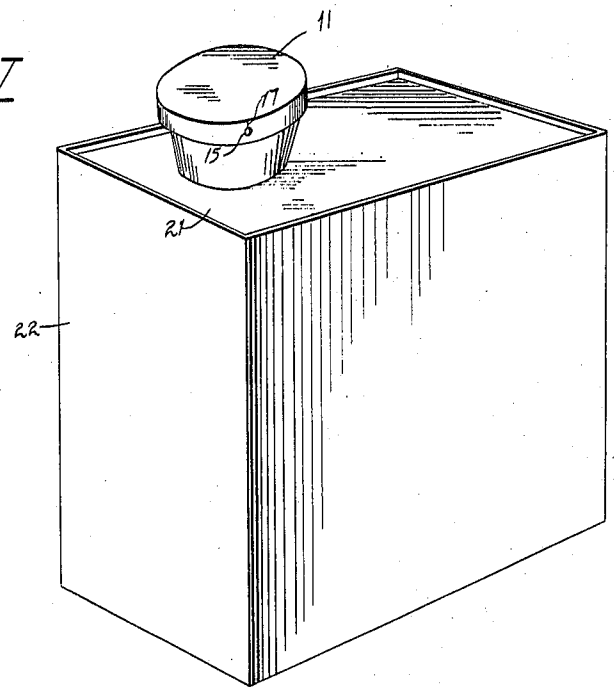


Fig. 2

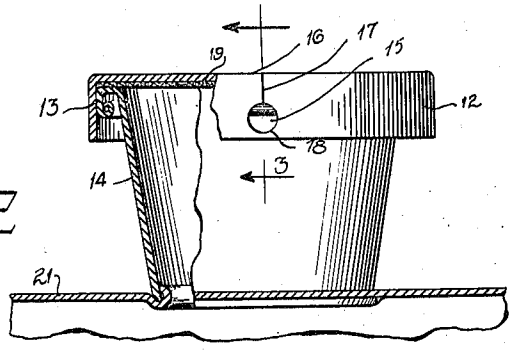
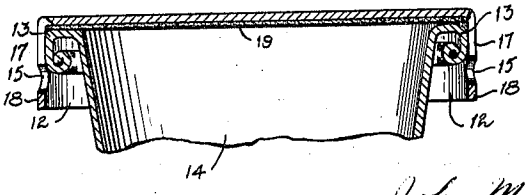


Fig. 3



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UNITED STATES PATENT OFFICE.

JOHN M. HOTHERSALL, OF BROOKLYN, NEW YORK, ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

CONTAINER.

Application filed November 1, 1920. Serial No. 421,201.

To all whom it may concern:

Be it known that I, JOHN M. HOTHERSALL, a citizen of the United States, residing in Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Containers, of which the following is a specification.

My invention relates in general to containers, and has more particular reference to friction closures, and means for easily removing the same.

A principal object of the invention is the provision of a closure which provides practically hermetic sealing and which may be removed with exceptional facility.

A further important object of the invention is the provision of such a closure, which is but slightly fractured in opening and which may serve as a temporary cover while the contents of the container are being used.

A still further object of the invention is the provision of a closure subserving these objects and being of simple and inexpensive construction.

Other objects and advantages of the invention will be apparent as it is better understood from the following description when considered in connection with the accompanying drawing illustrating a preferred embodiment thereof.

Referring to the drawings:

Figure 1 is an elevation of a container equipped with my invention;

Fig. 2 is a partially sectionalized view of a nozzle and closure; and

Fig. 3 is a sectional view taken substantially on the line 3—3 in Fig. 2.

While I have here shown my invention employed upon a container nozzle, it will be readily understood that it may as well be used as a closure for the container itself.

Upon the drawings it will be noted that the invention comprises a slip cover 11 having a depending flange 12 adapted to frictionally engage an outwardly extending rolled flange or collar 13 upon a nozzle 14. An aperture 15 is disposed in said flange beneath its area of contact with the collar 13, and the material between said aperture and the downward bend 16 of the closure is slitted as indicated by the reference numeral 17. The section 18 between the aperture and the edge of the flange is narrow and adapted to be easily broken by inserting an instrument in the aperture and exerting leverage upon the collar 13. When this section is fractured, the friction contact of the closure upon said collar is released and it may be readily removed.

A gasket 19 may be used as a lining for the top of the closure which, when tightly fitted, seals the opening practically hermetically. The nozzle 14 may be attached to the top 21 of the container body 22 in any preferred manner and may be of any general construction. When the closure has been thus removed, it is still practically intact and may be used as a temporary cover while the contents of the container are being consumed. As previously intimated, it may be used for any type of opening which is closed by a frictionally engaged cover.

It is thought that the invention and many of its attendant advantages will be understood from the foregoing description, and it will be apparent that various changes may be made in the form, construction and arrangement of the parts without departing from the spirit and scope of the invention or sacrificing all of its material advantages, the form hereinbefore described being merely a preferred embodiment thereof.

I claim:

1. A friction closure for containers, having a depending flange, an aperture therein disposed beneath the area of contact with a collar or flange on the container, a slit between said aperture and the downward bend of the closure, and a narrow section beneath the aperture adapted to be easily broken to release friction contact with said collar and permit removal of the cover, the metal of said depending flange being continuous on a circumferential line arranged in a horizontal plane below said aperture.

2. A nozzle closure for containers, comprising, a solid top portion, a depending flange adapted to frictionally engage a collar on the nozzle, an aperture in the lower part of said flange, a slit between said aperture and the downward bend of the cover, and a narrow frangible section beneath the aperture, the metal of said depending flange being continuous on a circumferential line arranged in a horizontal plane below said aperture.

3. A nozzle closure for containers, having a depending flange adapted to frictionally engage an outer collar on a nozzle, an aperture being located near the edge of

said flange, and the material between said aperture and the downward bend of the closure being slitted so that breaking the material beneath the aperture will release the friction contact with said collar and permit removal of the closure, the metal of said depending flange being continuous on a circumferential line arranged in a horizontal plane below said aperture.

4. A close for containers, comprising, a slip cover whose depending flange contains an aperture and a slit between its downward bend and said aperture so that fracturing the material therebeneath will release friction contact with a flange or collar on the container and permit removal, the metal of said depending flange being continuous on a circumferential line arranged in a horizontal plane below said aperture.

5. A nozzle closure for containers, having a depending flange adapted to frictionally engage a collar of less width on the nozzle, and having an aperture disposed beneath said collar, the material above said aperture being slitted and that beneath it narrow so that it may be easily broken, thus permitting removal of the closure, the metal of said depending flange being continuous on a circumferential line arranged in a horizontal plane below said aperture.

6. A slip cover for containers or container nozzles, having in its depending flange an aperture, a slit between said aperture and the downward bend of the closure, and a narrow section beneath the aperture adapted to be easily broken to permit removal of the cover, the metal of said depending flange being continuous on a circumferential line arranged in a horizontal plane below said aperture.

7. A closure for containers consisting of the combination of a body having a discharge opening and an outwardly extending flange 13 around said opening, and a cap having a depending flange which engages the outside of said flange of the body and extends below the same, said flange of the cap being formed with perforations 15 below the flange of the body and above the bottom edge of the flange of the cap, and also with slits 17 in the flange of the cap and extending upward from said apertures.

JOHN M. HOTHERSALL.