July 18, 1944. A. NETALOVÁ ET AL 2,354,043

BOTTLE CLOSURE

Filed May 20, 1939

Fig.1.

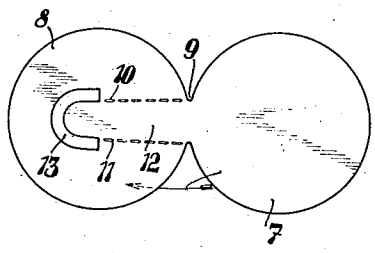


Fig.4.

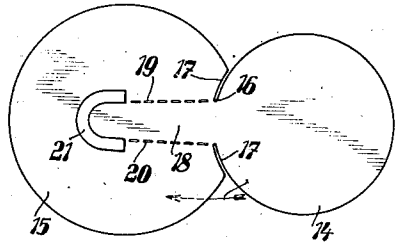


Fig.2.

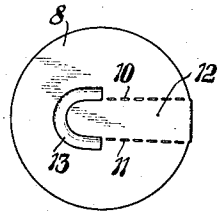


Fig.5.

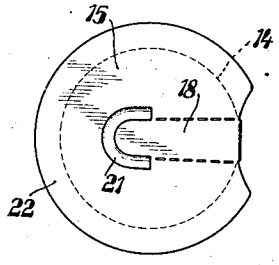


Fig.3.

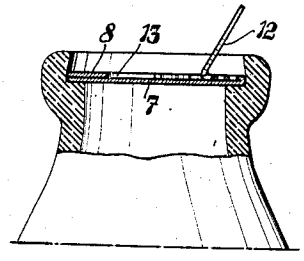
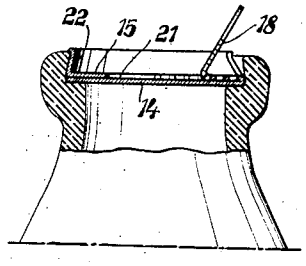


Fig.6.



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BOTTLE CLOSURE

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Application May 20, 1939, Serial No. 274,832
In Czechoslovakia June 1, 1938

4 Claims. (Cl. 215—51)

This invention relates to a bottle closure formed by a disc which is made of cardboard and whose edge is provided at a suitable location with a gripping tongue to permit removal of the disc from its closing position, e. g. from the bottle.

The invention consists in that the gripping tongue is formed by a portion, defined by perforations, of a covering disc integral with the closure disc. The closure and covering discs are so stuck to each other than the gripping tongue lies free on the closure disc and is not adhesively connected thereto. By pulling the gripping tongue the same is first separated from the covering disc by a tearing action along the perforations and then the closure disc is removed from closing position whereby the bottle is opened.

The drawing shows by way of example two constructional forms of the new bottle closure.

Fig. 1 shows in plan view a closure piece of 8-shaped configuration.

Fig. 2 shows a plan view of the closure piece in folded down position.

Fig. 3 is a vertical section through a bottle with the closure inserted therein, such closure being shown partially opened.

Figs. 4, 5 and 6 are views similar to Figs. 1 to 3 respectively showing a second constructional form of the closure.

The closure shown in Figs. 1 to 3 comprises a cardboard piece having the shape of the cypher 8 whose contour is formed by two discs 7, 8. The disc 7 serves as a closure or inner disc and the disc 8 serves as a covering or outer disc. The two discs are connected together by the restricted portion 9.

The restricted portion 9 constitutes also the starting point for a tongue 12 which is produced in the disc 8 by cutting, stamping or otherwise forming perforations 10, 11 and an opening 13.

In order to make the above described closure suitable for insertion into a bottle the 8-shaped piece is folded down about the restricted portion 9 and the discs 7, 8 are adhesively connected to each other. The adhesive is applied outside the contour of the tongue 12.

In this form the closure piece may be forced in the usual way into the bottle, as shown in Fig. 3.

To open the bottle it is only necessary to grip the tongue 12 by the free end thereof located in the opening 13, and to pull strongly upwards. Thereby the perforation lines 10, 11 are torn and then the closure piece is removed from the bottle.

In the constructional form shown in Figs. 4 to 6 the 8-shaped piece comprises a smaller disc 14 and a larger disc 15.

The restricted portion 16 connecting the two discs 14, 15 is formed by the ends of notches 17 which extend inwardly from the periphery of the larger disc 15.

The gripping tongue 18 is formed by perforations 19, 20 and an opening 21.

If the 8-shaped piece shown in Fig. 5 is folded down a border 22 is formed which when the closure is inserted into the bottle bears in the manner of a flange tightly against the inner wall of the bottle.

With this constructional form of the invention opening of the bottle is effected also by pulling the tongue 18 whereby first the perforations 19, 20 are torn and then the whole closure piece may be removed from the bottle.

What we claim is:

1. A bottle closure comprising a symmetrical cardboard blank folded upon itself substantially about the axis of symmetry, and a tab integral with and extending from one of said folded portions at right angles to said axis, said tab forming a section of said other folded portion, the outline of said tab being defined by a series of perforations, whereby the tab edges are releasably secured to the surrounding material of said other portion.

2. A bottle closure comprising a pair of similar superposed cardboard disks, a relatively narrow cardboard section of one of the disks integrally connected with the other disk at the margin of the disks, said section projecting inwardly from the connecting point and in the plane of said other disk, the outline of said section being defined by a series of spaced perforations whereby the edge of the section is releasably and integrally secured to the adjacent material of said other disk and whereby the section forms a tab by which the closure may be removed from the bottle.

3. A bottle closure as defined in claim 2 wherein said disks are concentric and one of said disks has a larger diameter than the other disk.

4. A bottle closure as defined in claim 1 wherein the opposed surfaces of said folded portion are adhesively secured together except over the surface area between said section and the opposed area of the other disk.

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