

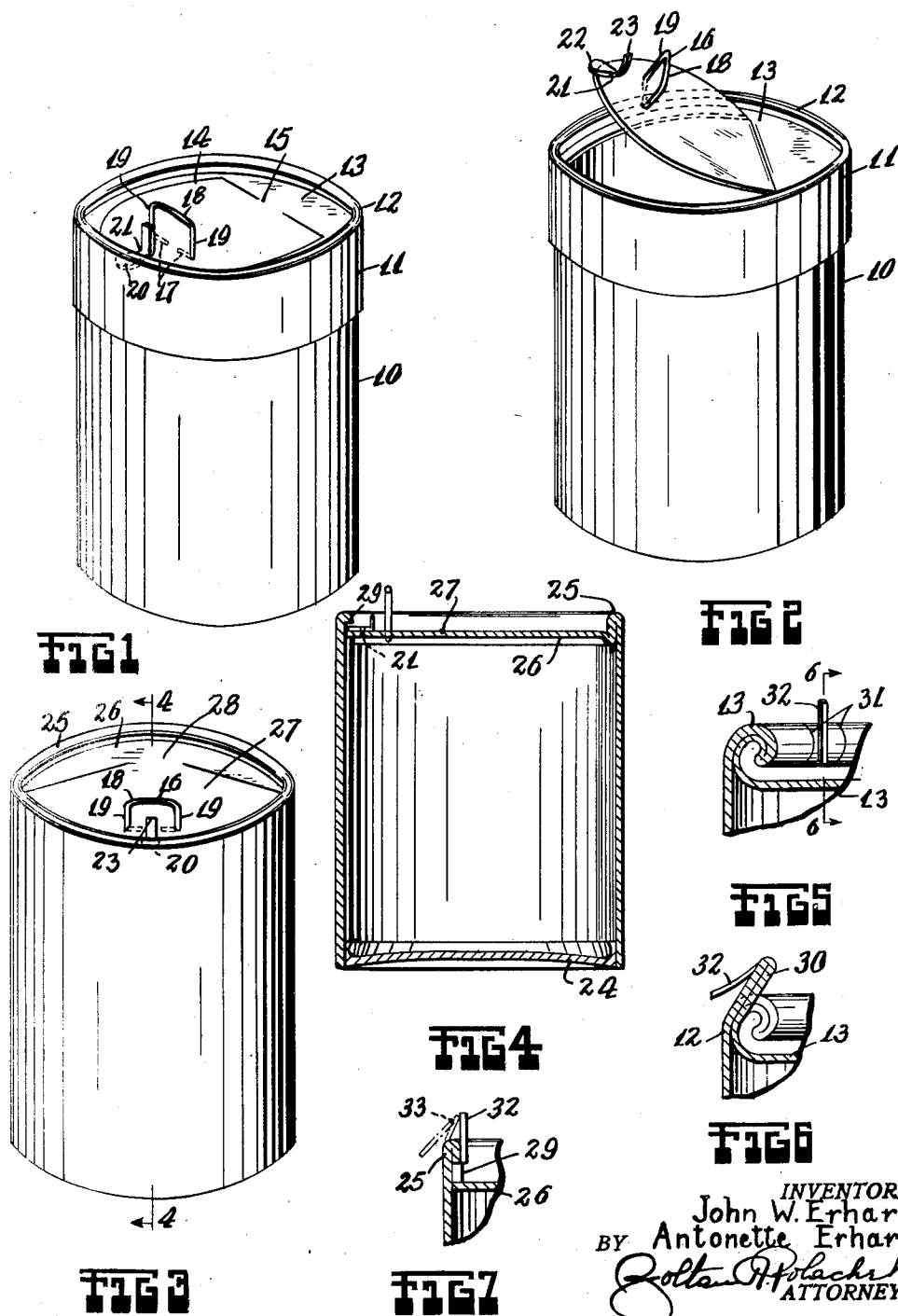
March 28, 1933.

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1,903,099

CONTAINER CLOSURE

Filed July 29, 1931



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CONTAINER CLOSURE

Application filed July 29, 1931. Serial No. 553,726.

This invention relates to new and useful improvements in a container closure.

More particularly, the invention relates to a container top which has a rolled edge and a flap cut out from the top so as to be adapted to assume a closed position aligned with the remaining portion of the top or be moved upwards into an opened position.

The invention has for its main object the provision of a novel means for holding the flap closed.

A still further object of this invention is the provision of a handle upon the flap so that it may be conveniently opened and closed.

Another one of the objects of this invention is the provision of small swivelled member upon the flap adapted to move in a position beneath a portion of the rolled edge for holding the flap closed, or out from beneath the portion of rolled edge to allow the flap to be opened.

A still further object of this invention is to provide a tongue cut out from the rolled edge and provided with a handle to be movable to a position to allow the swivelled member to pass without the necessity of moving it upon its point of pivoting. Such an arrangement is an alternative member for allowing the opening of the cover when the swivelled member becomes worn due to too much swivelling.

A still further object of this invention is to construct the parts in a manner so that the closure may be applied upon a container having a cover or one which is permanently closed at the top.

A still further object of this invention is to construct a container closure which is of simple, durable construction, desirable in use and efficient in action, and which can be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing, forming a material part of this disclosure:—

Fig. 1 is a perspective view of a container provided with a closure constructed according to this invention.

Fig. 2 is a perspective view of the container shown in Fig. 1 with the flap in an opened position.

Fig. 3 is a perspective view of another container constructed according to a modified form of the invention.

Fig. 4 is a vertical sectional view taken on the line 4—4 of Fig. 3.

Fig. 5 is a fragmentary sectional perspective view of a modification of the invention.

Fig. 6 is a sectional view taken on the line 6—6 of Fig. 5.

Fig. 7 is a view similar to Fig. 6 but illustrating the form of container used in Fig. 4.

The closure is shown applied upon a container 10 which has a cover 11. This cover is formed with a rolled edge 12 and a horizontal top 13. A flap 14 is cut out from the top at the front and at the sides so as to be pivotal along one edge 15. The flap is capable of assuming a closed position as shown in Fig. 1 or to be pivoted to an open position shown in Fig. 2. The front edge of the flap 14 is concentric substantially equally spaced from the rolled edge 12. If so desired, instead of the flap 14 being cut out originally as the container is sold, perforations may be formed along the proposed cut out and then the buyer may tear the flap open as allowed by the perforations.

A handle 16 is mounted upon the flap 14 for the purpose of manually opening and closing of the latter element. This handle is in the form of a bent wire which has its ends 17 directed towards each other on the bottom of the flap while the remaining portion of the wire is disposed at the top. The remaining portion comprises a horizontal portion 18 connected with vertical arms 19. A means is also provided for holding the flap 14 closed. This means comprises a swivelled member 20 swivelly mounted by a rivet 21 engaged through the flap 14. The member 20 consists of a horizontal portion 22 flat against the top side of the flap 14 and projecting from the

edge a sufficient distance to be engageable beneath the rolled edge 14 of the container top. The member 20 also has a vertical portion 23 for manual turning from a position in which the portion 22 projects to a position in which it is disposed within the edge of the flap.

In Figs. 3 and 4, a modified form of container has been illustrated in which there is no removable cover. The container is of the type which is permanently sealed. This container has a permanent bottom 24 which is glued or continually attached into place to seal the contents. At the top the edges 25 are rolled over and from thereon the horizontal top 26 extends. A portion of the top is cut out in the form of a flap 27 which is of substantially triangular form as shown in Fig. 3. The rear edge 28 of the flap is integral with the top constituting the hinge portion upon which the flap can be moved. This flap is also provided with a handle 16 as before recited. Furthermore, a swivelled member 20 is arranged upon the flap for the purpose of holding it closed. The rolled edge 25 is formed with a small opening 29 into which the lower portion of the swivelled member 20 may engage to accomplish the holding operation. In other respects, this form of the invention is similar to the preferred form and parts not specifically mentioned may be recognized with corresponding numerals with those previously described.

In Figs. 5 and 6, another modification of the invention has been shown in which a tongue 30 is cut out from the rolled edge 12 for the purpose of allowing the free passage of the swivelled member 20 without the necessity of turning the swivelled member to its inoperative position. The advantage of this arrangement is that after the swivelled member becomes worn due to excessive turning, the tongue may be raised to allow opening and closing without further disturbance of the swivelled member. This tongue is formed with a pair of spaced parallel cuts 31. A small rod 32 is attached upon one end on the outer end of the tongue to allow for moving of the tongue. In Fig. 5 the tongue is shown in its normal condition in which the swivel may engage thereunder. In Fig. 6 it is shown moved to its inoperative position to allow passage of the swivelled member for the purpose of opening or closing the flap.

In Fig. 7, another modification of the invention has been disclosed showing the application of the tongue applied to the container illustrated in Fig. 4. In this form, a tongue 33 is arranged within the rolled edge 25 immediately above the opening 29 which is for the purpose of receiving the swivelled member. A rod 32 is attached upon the tongue 33 for the purpose of allowing manual gripping to move the tongue to the opened position. The open position is illustrated by the dot and dash lines 33.

While we have shown and described the preferred embodiment of our invention, it is to be understood that we do not limit ourselves to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described our invention, what we claim as new, and desire to secure by United States Letters Patent is:—

1. A container closure, comprising a container top having an encircling rolled edge and a flap cut from the top adapted to assume opened and closed position, and means on said flap for coacting with the rolled edge to keep the flap closed, comprising a swivelled member on said flap engageable below a portion of said rolled edge, and said portion of the rolled edge being in the form of a tongue movable out of the path of motion of said swivelled member.

2. A container closure, comprising a container top having an encircling rolled edge and a flap cut from the top adapted to assume opened and closed position, and means on said flap for coacting with the rolled edge to keep the flap closed, comprising a swivelled member on said flap engageable below a portion of said rolled edge, and said portion of the rolled edge being in the form of a tongue movable out of the path of motion of said swivelled member, a rod being attached upon said tongue for manual movement of the tongue.

3. A container closure, comprising a container top having an encircling rolled edge and a flap cut from the top adapted to assume opened and closed position, a swivelled member on said flap for coacting with the rolled edge to keep the flap closed, comprising a member on the flap engageable below a portion of the rolled edge and said portion of the rolled edge being in the form of a tongue moveable out of the path of motion of the said member.

4. A container closure, comprising a container top having an encircling rolled edge and a flap cut from the top adapted to assume opened and closed position, and a swivelled member on said flap for coacting with the rolled edge to keep the flap closed, comprising a swivelled member on said flap engageable below a portion of said rolled edge, said portion of the rolled edge being in the form of a tongue moveable out of the path of motion of said swivelled member, and means attached upon said tongue for manual movement of the tongue.

In testimony whereof we have affixed our signatures.

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