Nov. 25, 1930. C. SAVINO 1,783,027

BOTTLE CLOSURE

Filed Aug. 13, 1928

FIG. 1.

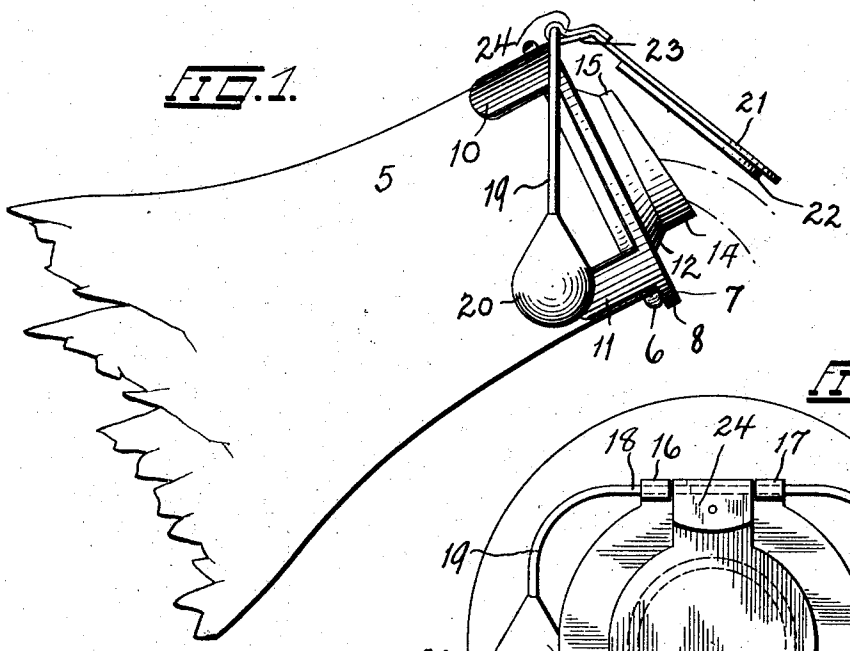


FIG. 2.

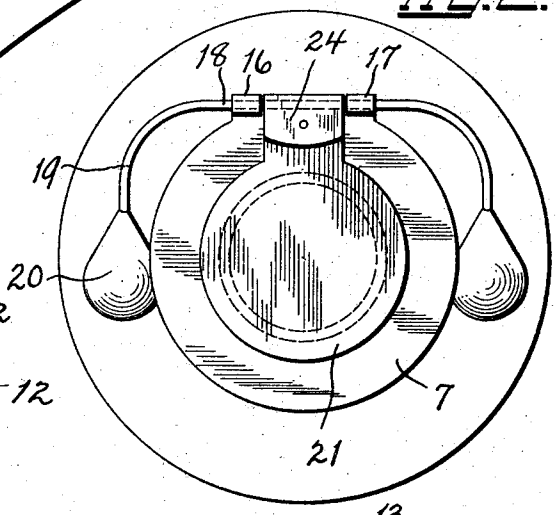


FIG. 3.

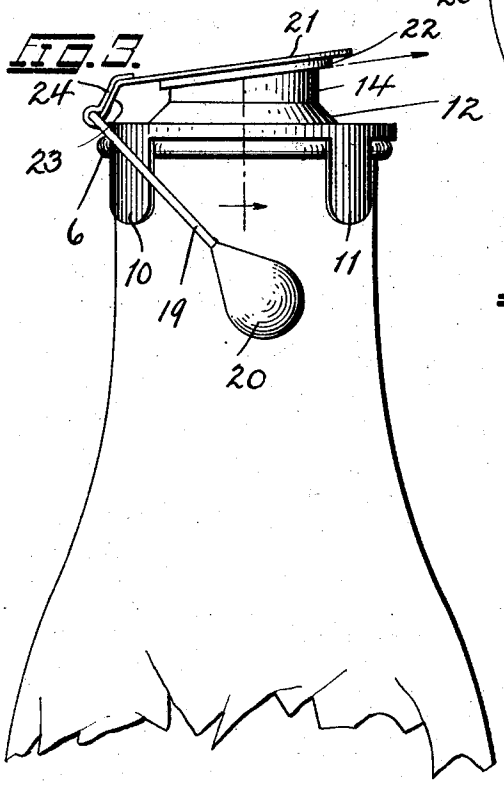
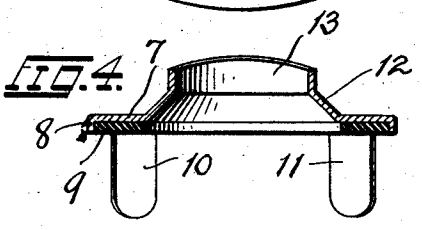


FIG. 4.



INVENTOR
Camillo Savino
BY
Aaron L. Applebaum
ATTORNEY

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UNITED STATES PATENT OFFICE

CAMILLO SAVINO, OF CITY ISLAND, NEW YORK

BOTTLE CLOSURE

Application filed August 13, 1928. Serial No. 299,397.

This invention relates to improvements in bottle closures or covers and more particularly to that type embodying a pouring spout and a weight controlled cover or lid for said spout.

One of the objects of my invention is to provide a bottle closure particularly designed for milk bottles and adapted to be frictionally positioned thereon, said closure having a pouring spout and a weight controlled lid adapted to be opened when the bottle is tilted.

A further object of my invention is to provide a bottle closure having a gasket adapted to be frictionally positioned on the bottle so as to produce an air tight closure and further provided with a normally closed flanged lid having one or more weights whereby said lid may be opened to different degrees upon the tilting of the bottle.

To enable others skilled in the art to more fully comprehend the underlying features of my invention reference is had to the accompanying drawing forming a part of the specification in which

Fig. 1 is an elevational view showing the bottle in tilted position and the lid opened.

Fig. 2 is a top plan.

Fig. 3 is a side view.

Fig. 4 is a sectional view of the closure.

Referring now to the drawings wherein like reference characters designate corresponding parts throughout the several views, 5 designates the neck of a conventional type of milk bottle usually provided with a bead 6 at the mouth or outlet. My invention proper consists of an annular plate 7 having a peripheral flange 8 which is adapted to retain a gasket 9 of any suitable material such as rubber or other compositions, said gasket being in direct engagement with the bottle bead thus sealing the closure in position. Depending from the flange 8 are a series of tongues 10, 11 suitably spaced and adapted to ride over the bottle bead and lock the closure in position on the neck of the bottle. The plate 7 is usually of light metal with the result that the tongues 10, 11 snap over the bottle bead thus frictionally locking the closure.

The plate 7 is formed with a cone-shaped body 12 extending somewhat above the surface of the plate and the cone is provided with a low pouring spout 13 which is considerably higher at the front wall 14 than the rear wall 15, thereof, as clearly shown by Fig. 1 and Fig. 3 of the drawings. It will thus be obvious that upon the tilting of the bottle, the pouring spout, as designed, permits the contents to be dispensed conveniently. The plate 7 is provided with a pair of spaced ears 16, 17 forming bearings for a pintle or rod 18. The said pintle or rod extends transversely through the ears and then downwardly and inwardly as at 19 having weights 20 at the respective ends thereof. The lid 21 of the pouring spout is provided with a bottom flange 22 adapted to fit over the top edge of said pouring spout so that in the normal position, the lid lies at an angle to the plate 7 as shown in Fig. 3. The rear end of the lid is bent downwardly as at 23 and back on itself as at 24 encircling the central portion of the pintle or rod to which it is permanently secured as by a rivet for instance. Referring to Fig. 3, it will be noted that the ends 19 of the pintle extend downwardly and inwardly so that the weights lie substantially in a line drawn through the vertical longitudinal axis of the entire closure. Consequently, a slight tilting of the bottle will cause the weights to swing in an arc or from the position shown in Fig. 3 to that shown in Fig. 1 with the result that the lid connected to the pintle will be raised permitting the contents to be poured.

It will also be understood that if so desired, a single weight may be employed on one end of the rod or pintle 19 in which instance the opposite end of the rod 18 may terminate at one of the ears. However, when two weights are employed to the closure, it will balance and open more readily since otherwise the size of the single weight must necessarily be increased.

While I have shown and described my invention with some degree of particularity, it will be realized that other modifications and changes may be resorted to under special con-

ditions. I therefore do not wish to be limited and restricted to the exact details shown and described but reserve the right to make such changes and modifications as may fairly fall within the scope of the subject matter now being claimed.

Having shown and described my invention what I claim as new and desire to secure by Letters Patent is:—

A bottle closure comprising a plate having an annular flange and a plurality of depending tongues frictionally engaging the mouth of a bottle, a pouring spout formed with said plate, the front wall of said spout being higher than the rear wall thereof, a flanged lid normally closing said spout, said lid having a rear extension bent backwardly on itself forming a pivotal connection for a pintle, spaced ears on each, side of said pivotal connection, a pintle or rod passing through said ears, said rod being bent downwardly and inwardly toward the neck of said bottle and weights carried at the ends of said pintle or rod.

In testimony whereof I affix my signature.

CAMILLO SAVINO.