March 21, 1939. R. A. MARKLE 2,151,129

BOTTLE CAP

Filed April 14, 1936

Fig. 4.

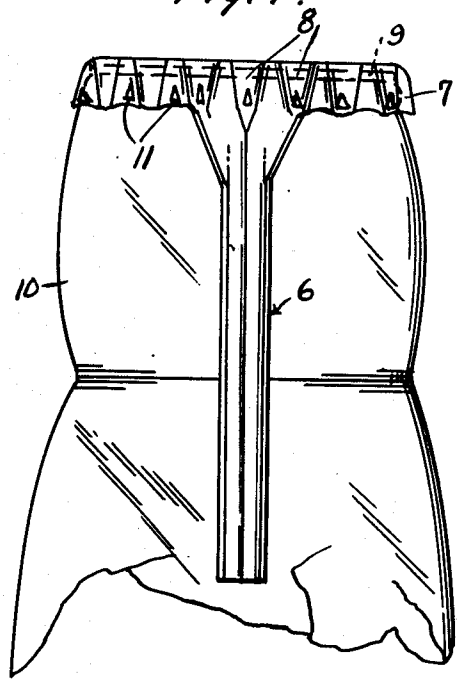


Fig. 5.

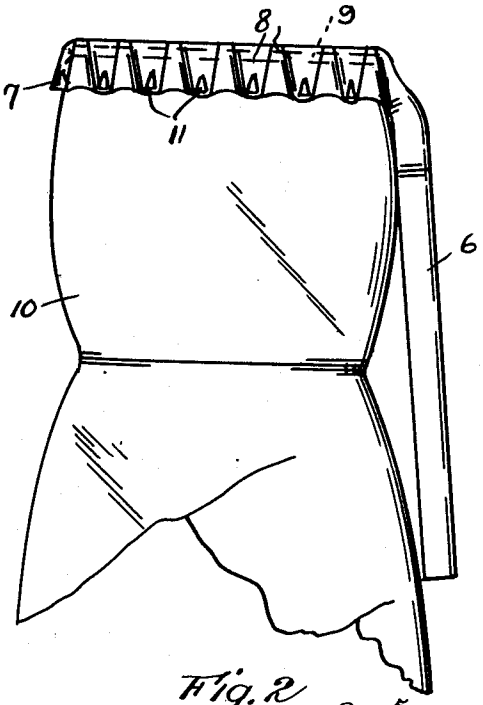


Fig. 1.

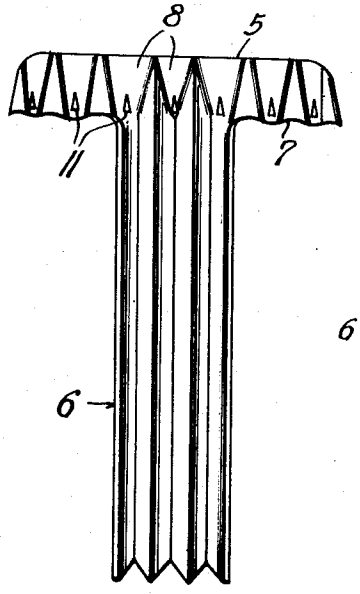


Fig. 2

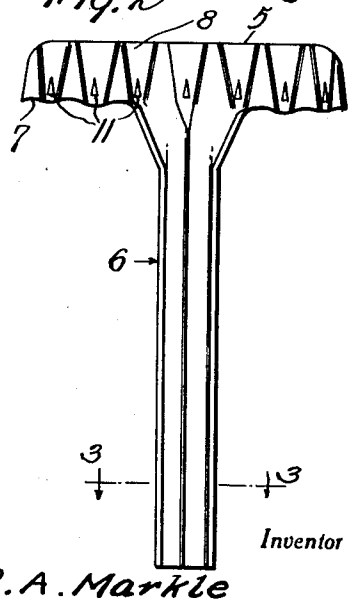
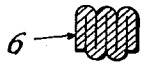


Fig. 3.



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BOTTLE CAP

Robert Alexander Markle, Baltimore, Md.

Application April 14, 1936, Serial No. 74,346

1 Claim. (Cl. 215—46)

This invention appertains to new and useful improvements in bottle cap.

The principal object of the present invention is to provide a bottle cap of the gripper type constructed in such a manner as to permit its removal from the bottle handily.

These and various other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawing:

Figure 1 is a side elevational view of the cap with the head portion formed and the tail portion partly formed;

Figure 2 is a side elevational view of the cap fully formed;

Figure 3 is a section on line 3—3 of Figure 2;

Figure 4 is a front elevational view of the cap applied to the neck of a bottle;

Figure 5 is a side elevational view of the cap applied to a bottle.

Referring to the drawing wherein like numerals designate like parts, it can be seen that the reference numeral 5 represents a circular head portion from which extends the elongated tail portion 6. These two portions are constructed from a single sheet of metal and the entire cap is constructed from this sheet.

First the edge portion of the circular portion 5 is crimped and thus the depending skirt portion 7 of the cap is produced. In this operation, the tail portion 6 can be longitudinally corrugated, forming ribs 8.

Subsequently the tail portion 6 is compressed transversely so as to bring the ribs 8 together as shown in Figure 2. Thus a substantially rigid tail portion is afforded for the cap portion 8 when the cap portion is applied to a bottle in substantially the manner shown in Figures 4 and 5.

Thus a cap remover is formed integrally with the cap.

As is shown in Figures 4 and 5, a suitable cork gasket or washer 9 may be employed between the neck of the bottle 10 and the top 5 of the cap.

The skirt portion 7 of the cap is provided at circumferentially spaced intervals with indentations 11.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in shape, size, and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

A bottle cap comprising a circular head portion and a tail portion extending therefrom, said tail portion being corrugated and said corrugations being arranged with the surfaces of the corrugations compressed flatly against each other and with the outer longitudinal side edges of the tail portion extending forwardly, the edges of the corrugations adjacent the bottle being rounded to present a smooth gripping surface for the fingers of the user.

ROBERT ALEXANDER MARKLE.