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C. H. SMITH

2,107,309

DRINKING MOUTHPIECE FOR BOTTLES OR THE LIKE

Filed April 10, 1937

Fig. 1.

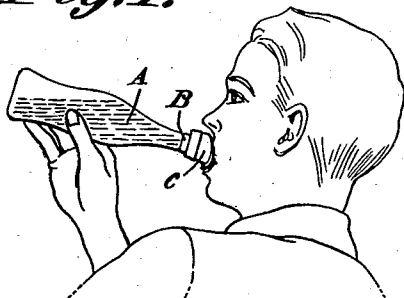


Fig. 2.

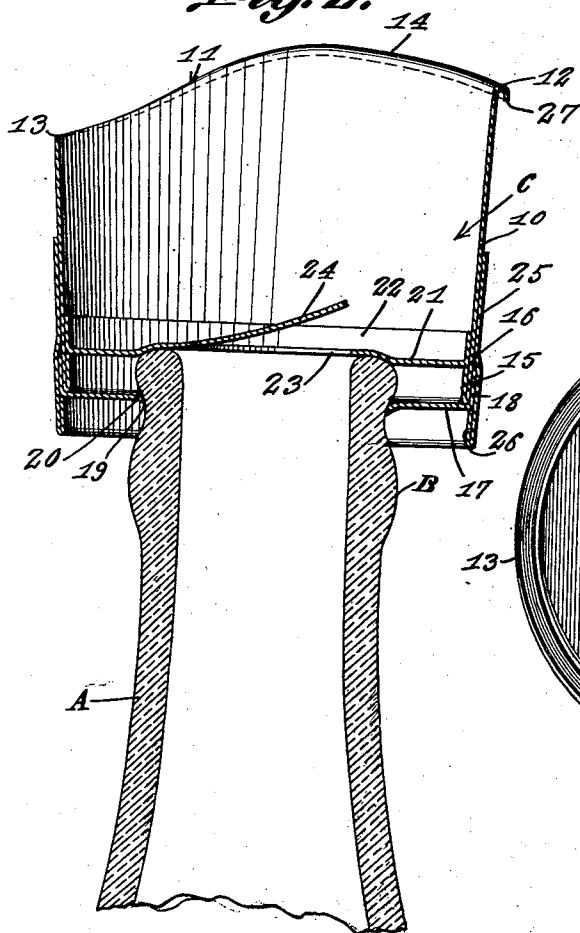


Fig. 4.

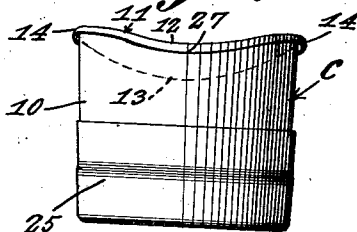
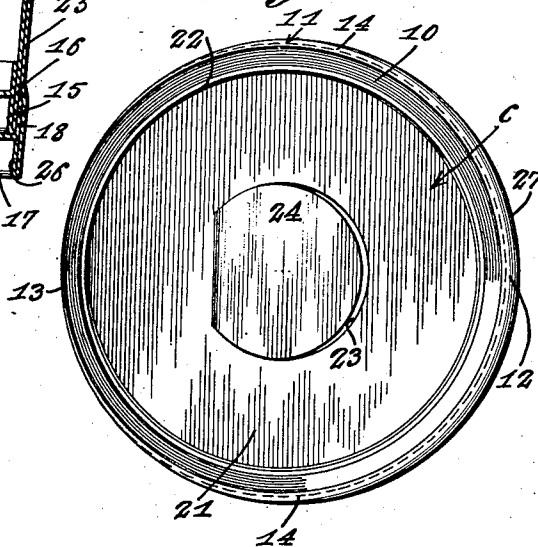


Fig. 3.



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UNITED STATES PATENT OFFICE

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DRINKING MOUTHPIECE FOR BOTTLES OR
THE LIKE

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Application April 10, 1937, Serial No. 136,202

1 Claim. (Cl. 215-74)

The invention relates to a drinking mouth piece for bottles or the like and more especially to a drinking cup attachment for containers, bottles or the like.

5 The primary object of the invention is the provision of a mouth piece or cup of this character, wherein the same is of a construction that it can be sealed upon the mouth edge of the neck of a bottle or the like so that the contents of the latter can be drunk with ease and without the spilling of such contents during the drinking of the same and also avoids any leakage between the mouth piece or cup and the bottle or the like.

15 Another object of the invention is the provision of a mouth piece or cup of this character, wherein the same is made from paper rendered waterproof and has built therein a guard or baffle which avoids excessive flow of liquid from a bottle or the like when the mouth piece or cup is applied thereto for the drinking of the contents directly from the bottle or the like.

20 A further object of the invention is the provision of a mouth piece or cup of this character, wherein on the application thereof to a bottle or the like, the contents can be readily kept charged to maintain such contents effervescent and also to preserve the original flavor when the bottle or the like is at rest and in tilting position for the dispensing or the drinking of the contents therefrom.

25 A further object of the invention is the provision of a mouth piece or cup of this character, wherein the construction thereof renders the same sanitary and enables the discarding of such mouth piece or cup after use of the same and is of a formation to avoid waste of the contents of a bottle or the like during the act of drinking therefrom or between the mouth piece or cup and the mouth of the bottle on application of the said mouth piece or cup to the latter.

30 A still further object of the invention is the provision of a mouth piece or cup of this character, which is extremely simple in its construction, thoroughly reliable and effective in its operation, light in weight, yet strong, and inexpensive to manufacture.

35 With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claim hereunto appended.

40 In the accompanying drawing:

Figure 1 is a pictorial representation of a person drinking from a bottle showing the cup or mouth piece constructed in accordance with the invention applied to the mouth of the bottle for such purpose.

Figure 2 is an enlarged fragmentary vertical sectional view through a bottle showing the cup or mouth piece attached.

Figure 3 is a top plan view of the mouth piece or cup removed from the bottle.

Figure 4 is an elevation of the mouth piece or cup.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally a portion of the neck of a bottle of conventional type for holding beverages or other liquids to be drunk or consumed and B the externally marginally beaded mouth of said bottle while C denotes generally the mouth piece or cup constituting the present invention and hereinafter fully described.

The mouth piece or cup C comprises a slightly tapered substantially circular shaped or cup form body 10 having at its larger end a serpentine edge 11 to effect a mouth engaging area 12, an opposite upper lip seating area 13 and opposed arched cheek contacting areas 14, respectively. The opposite smaller end of the body 10 is formed with an inwardly turned annular flange 15 effecting an internal seat 16 while telescoped over or onto this flanged smaller end of the body 10 is a rimmed coupling head 17, its rim 18 being exteriorly of the body 10 and is made secure annularly thereto in any suitable manner. The head 17 has a central circular opening 19 formed with a flexing edge 20 and this opening 19 is of a size to accommodate the mouth B while the flexing edge 20 of the said opening being for frictionally embracing the neck A immediately rearwardly of the external bead of the said mouth B for the separable coupling of the body and neck A of the bottle and in this manner the mouth piece or cup is attached to the bottle.

45 Arranged interiorly of the body 10 and at rest upon the in-bent flange 15 of the head 17 is an abutment disk 21 having an annular out-turned flange 22 which is fixedly engaged with the inner surface of the body 10, this disk 21 being spaced from the head 17 and has contact with the edge of the mouth B when the head 17 is coupled to the neck A of the bottle. Centrally of the disk 21 is formed a discharge opening 23 and to a portion of its edge is joined a relatively

stiff and slightly out-turned guard or flow control baffle 24 which is of a size corresponding to the opening 23 and normally closes the latter by pressing the same into the opening 23. On bending the guard or baffle 24 slightly outwardly from the opening, the contents of the bottle can flow through the neck A and mouth B into the body 10 so that such contents may be drunk from the mouth piece or cup when coupled with the bottle. The contact of the disk 21 with the edge of the mouth B eliminates any possibility of leakage between the cup or mouth piece and the bottle.

Telescoped over the smaller end of the body 10 and fixed thereto exteriorly of the same is a rest sleeve 25 which has its outer end portion extended beyond the head 17 and this extended edge portion is formed with an inwardly bent annular flange 26 contacting marginally with the head 17 so that the cup or mouth piece when uncoupled from the body can be brought to rest through contact of the rest sleeve 25 with a support for the holding of the cup or mouth piece in an upright position. At the same time the head 17 will be inset to the outer end of the rest sleeve 25.

The edge 11 throughout the areas 12 and 14 is formed with an outwardly and inwardly curled beading 27 to avoid the presence of a rough or sharp edge at these areas to eliminate injury to a person when drinking through the use of said cup or mouth piece and also strengthening these areas of the body 10 of such mouth piece or cup.

The cup or mouth piece in its entirety is made from sheet paper coated or treated to render the same waterproof and thus assuring lightness thereto yet giving the required durability while in use.

The guard or baffle 24 avoids any excessive flow of the contents of the bottle during the drinking thereof directly from the same through the use of the cup or mouth piece and also assures against undue escape of the charged characteristic of the

contents of the bottle particularly when the same is at rest, there being no leakage at the point of coupling of the cup or mouth piece with the bottle or when the mouth piece or cup is brought into drinking position by a person with the mouth of such person engaging the area 12 of the same.

The guard or baffle 24 also in the use of the cup or mouth piece eliminates any gushing or splashing activity of the contents of the bottle when tilted for the dispensing of such contents therefrom, effecting an even and a directional flow of the contents during such dispensing activity.

What is claimed is:

A drinking mouth piece for a bottle having an external annular rim and a spaced bead contiguous to its mouth, comprising a slightly tapered substantially cup-shaped body formed with a serpentine edge for effecting a mouth engaging area, an opposite upper lip seating area and opposed arched cheek contacting areas, respectively, an inwardly turned annular flange at the opposite smaller end of the body for effecting an internal seat therein, a rimmed coupling head telescoped over the flanged smaller end of the body and having its rim exteriorly of the latter, the said head having a central circular opening formed with a flexing edge for frictionally embracing the bottle mouth between the rim and bead thereof and separably coupling the body and bottle together, an abutment disk interiorly of the body and at rest upon the flange of the head and having an annular out-turned flange fixedly engaged with the inner surface of said body, said abutment disk having a central discharge opening for registry with the bottle mouth with the edge of said latter opening contacting with the rim of the bottle mouth, and an out-turned flow control baffle formed with said abutment disk and arranged at the last-mentioned opening.

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