

Nov. 29, 1932.

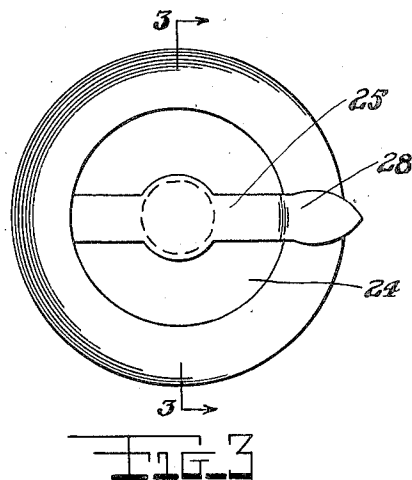
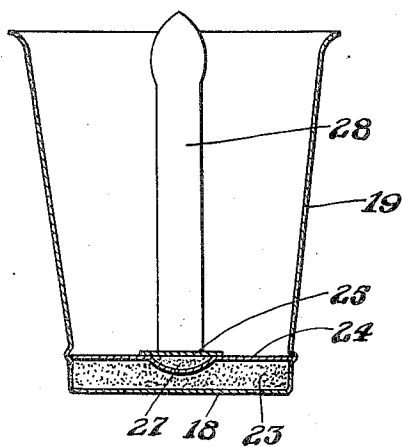
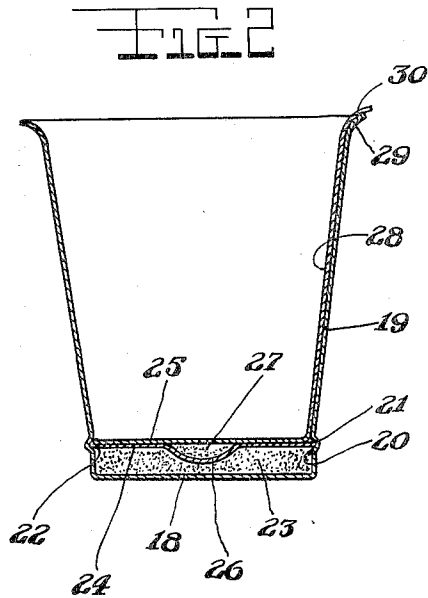
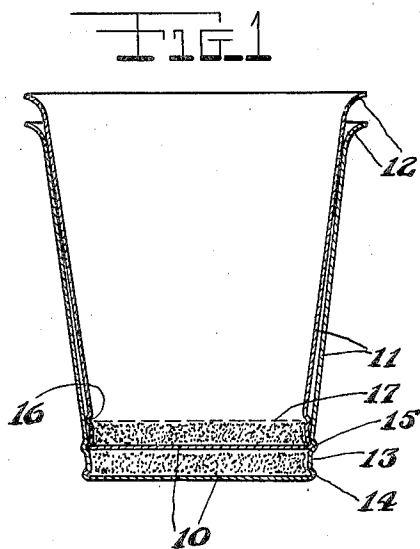
W. SERR

1,889,111

FLAVOR DISPENSER CUP

Filed Feb. 23, 1929

2 Sheets-Sheet 1



Inventor
W. Serr

By his Attorney J. Ledermann

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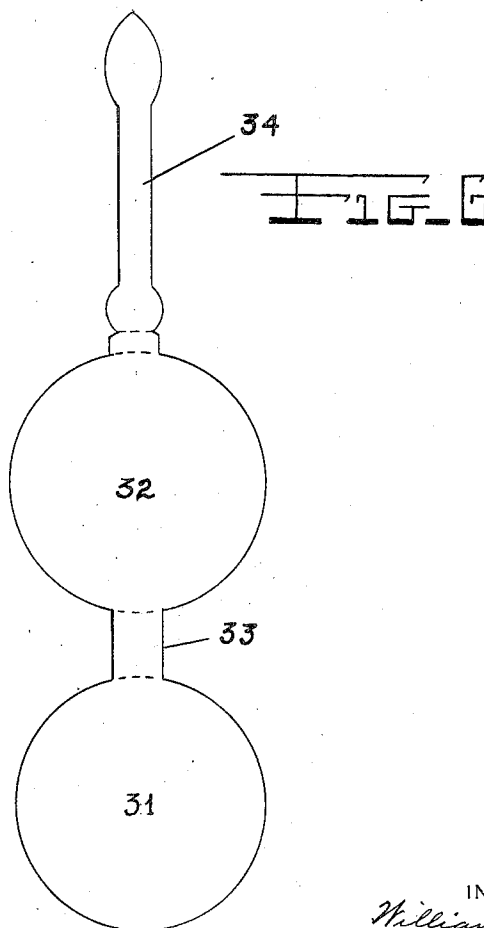
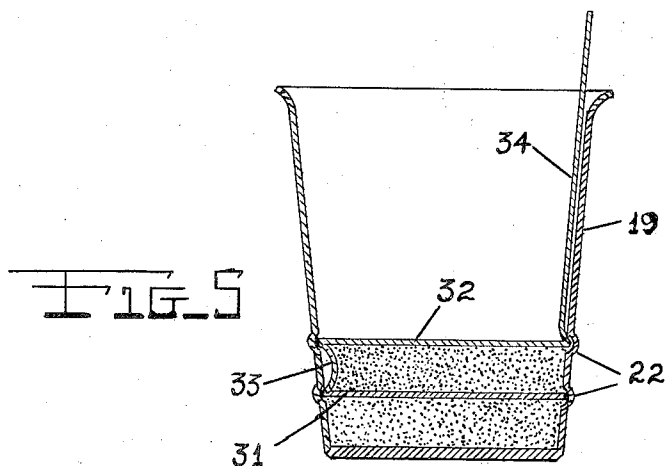
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FLAVOR DISPENSER CUP

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2 Sheets-Sheet 2



INVENTOR
William Serr
BY *Waldo M. Chapin*
ATTORNEY

UNITED STATES PATENT OFFICE

WILLIAM SERR, OF NEW YORK, N. Y.

FLAVOR DISPENSER CUP

Application filed February 23, 1929. Serial No. 341,916.

The main object of this invention is to provide a cup equipped with a pocket which is filled with a flavor, either in concentrate, liquid, or powder form, which may be used for providing a beverage to the user of the cup.

Another object of this invention is to provide a cup provided of some inexpensive material such as paper which is constructed so as to form a pocket sealed by a detachable cover from the remainder of the cup chamber, and this pocket is adapted to be filled with a flavoring extract which is readily mixed with the liquid poured into the cup at the time it is being used.

The above and other objects will become apparent in the description below, in which characters of reference refer to like-named parts in the drawing.

Referring briefly to the drawing, Figure 1 is a longitudinal, sectional, elevational view of a couple of preferred type of cups, showing the means of stacking the same.

Figure 2 is a longitudinal, sectional, elevational view of the modified type of cup, showing the pocket therein and the means of sealing the same.

Figure 3 is a top plan view of Figure 2.

Figure 4 is a longitudinal, sectional, elevational view taken on line 3—3 of Figure 3.

Fig. 5 is a sectional elevation of a modification of my invention, and

Fig. 6 is a plan view of the cover members shown in Fig. 5.

Referring in detail to the drawing, the numeral 10 indicates the bottom of the preferred type of cup. This bottom 10 is preferably rounded but may be of any desired geometrical shape. The bottom 10 is preferably provided with a bounding wall 11 which is flared outwardly at the upper edge 12. The wall 11 is conical for the greater portion of its length but at the lower end where it merges with the bottom 10 it is formed cylindrically and straight-walled, as indicated by the numeral 13. At the position where the portion 13 of the wall merges with the bottom 10, the material forming the cup is formed into an external ridge 14. Above this ridge 14 another deformation 15 is formed which provides a bounding groove

16. The bottom 10 is filled with a flavoring extract which may consist either of a concentrate, liquid, or powder or even solid flavoring extract 17. This flavoring extract 17 fills the bottom 10 to the level of the groove 16.

The cups in the preferred type of invention are adapted to be stacked one above the other and, in this condition, placed in a dispenser apparatus. The flavoring extract 17 may be sealed in place by a film of wax or a layer of paper which wax or paper may be readily punctured with a spoon or the like.

A cup of the modified form of invention is adapted to have the same essential outline and is provided with a bottom 18 and a bounding conical wall 19 which is formed cylindrically at its lower end. This wall has its lower end indicated by the numeral 20. Where the cylindrical portion of the wall merges with the conical portion 19, a ridge 21 is formed on the outside of the cup, which ridge 21 forms an internal groove 22. The distance from the bottom 18 of the cup to the groove 22 comprises a pocket in which flavoring extract 23 is received. This groove 22 receives the edges of a closure disc 24 which has an extension 25 thereon. This extension 25 lies flat upon the disc 24, the latter being dished out at the position indicated by the numeral 26 to form a receptacle for a sweetening agent, such as sugar, 27. The extension 25 where it merges with the disc 24 is bent in a return bend so that it may lie flat upon the disc 24, and again crosses said disc 24 diametrically and at its extremity is bent upwardly at an angle to form a spoon 28 which projects slightly over the flared edge 29 in the form of a curved member 30, which is used when the liquid in the cup is to be agitated by inverting the spoon.

The entire device may be made of any desirable material, such as fiber, wax paper or the like. In the preferred form of cup, the flavoring extract 17 deposited and resting on the bottom 10 is retained in sealed and leak-proof condition by providing a paraffin or cellulose layer which may be soluble in liquid. The liquid which is to be made in the form of a beverage by the mixing of the

flavoring extract 17 with the liquor poured into the cup is then ready for use after the paraffin layer has been pierced or after the cellulose layer which covers the extract 17 is dissolved. The preferred form of cups lend themselves readily adaptable to being stacked one within the other as shown in Figure 1 which illustrates two cups in stacked position. In the modified form of cup, shown in Figures 2, 3 and 4, an additional member, a spoon, is provided. This spoon 28 forms a member integral with a closure cap consisting of a disc 24 in which a receptacle 26 is formed by dishing out said disc 24 on its axis. This receptacle 26 is filled in the factory or preparing plant with a sweetening agent such as sugar and the extension 25 is then bent over this receptacle after the disc 24 has been fixed in place within the groove 22. This disc 24 may also be covered with soluble cellulose or paraffin to make the entire article moisture proof and air proof so that the flavoring extract 23 will not become granulated or cake until the time it is to be used.

It is to be noted that the modified form of cup may be provided with additional discs by simply adding these discs to the spoon, and this construction would not depart from the spirit and scope of the invention.

This modification is illustrated by Figs. 5 and 6 of the drawing, wherein two cover members 31 and 32 are shown as connected by the web 33 and provided with a spoonlike handle 34. The cover 32 may be removed from its groove 22 by pulling upon the handle 34 after which by means of the web connection 33 the cover 31 may be removed.

Some examples in further detail of particular advantageous uses to which the dispensing cup of this invention is well adapted may be noted. For instance, it may be utilized as a dispenser for a soda beverage or the like. In such a case the syrup would be contained at 23 in the chamber formed in the bottom of the cup below the disc 24 (Figs. 2, 3 and 4) and bicarbonate of soda or the like would be contained at 27 in the dished out pocket or chamber 26 which is covered by the disc extension 25. In use, the bicarbonate will serve to charge the syrup, so that ordinary water may be used to form a carbonated drink.

Also in the construction shown in Figs. 2, 3 and 4 ice cream could be contained in the lower compartment at 23, while syrup could be contained at 27 in the pocket 26. If desired, in such a case, both of these compartments could then be made of larger capacity. In the case of the lower compartment at 23, the circumferential groove 22 in the cup body 19 could be placed at a somewhat higher elevation, while for the upper compartment the depression 26 in the disc 24 could be made both of greater diameter and deeper. In such

case, should a carbonated drink be desired, then bicarbonate of soda or the like could be added by being placed in the same compartment with the ice cream.

When additional discs are provided, as above noted, the resulting plurality or series of superposed chambers or compartments thus formed may of course be of any required size or capacity, as determined by the vertical spacing of these discs in grooves such as 22, which may be placed at whatever height is desired in the wall 19 of the cup.

I claim:

1. In a cup, a conical wall, a bottom, a bounding groove formed in said wall, a flavoring agent deposited in said cup, a disc adapted to be inserted in said groove, a receptacle formed by dishing out said disc, said receptacle being adapted to be filled with a sweetening agent, an extension on said disc lying flat on said disc and covering the receptacle, and a spoon member extending upwardly adjacent the edge of said cup, said spoon being adapted to agitate the liquid in said cup when removed from said cup.

2. In a dispensing cup having a circumferential interior groove intermediate its top and bottom and a cover fitting in said groove, the combination of a second cover disposed above and spaced from the first mentioned cover and attached at one of its edge portions only to the adjacent edge of the latter, and a handle attached only to said second cover whereby both covers may be removed from the cup.

3. In a dispensing cup having a circumferential interior groove intermediate its top and bottom and a cover fitting in said groove, a second cover disposed above the first mentioned cover and attached at one of its edge portions only to the adjacent edge portion of the latter, a chamber being formed between the said covers, and a handle attached to said second cover only whereby both covers may be removed from the cup.

4. In a dispensing cup having a plurality of interior transverse grooves intermediate its top and bottom, the combination of a plurality of covers disposed in said grooves, said covers being attached one to the other, and means for successively removing said covers from the cup.

5. In a dispensing cup having a plurality of interior transverse grooves intermediate its top and bottom, the combination of a plurality of covers disposed in said grooves, said covers being attached one to the other, and a handle attached to the uppermost cover whereby all of the covers may be successively removed.

6. A cup or container having a plurality of internal transverse grooves disposed one above the other intermediate its top and bottom, a plurality of sealing covers seated in said grooves, said covers being attached to-

gether and to a handle whereby the covers may be successively pulled from the container.

7. In a dispensing cup having a circumferential interior groove intermediate the top and bottom of the cup and nearer to the latter, the combination of a removable cover seated in the said groove thereby to form a closed chamber adjacent the bottom of the cup for containing a material to be mixed with a liquid in the cup after the said cover has been removed, the said cover being dished downwardly to form a receptacle therein for containing a second material to be mixed with said liquid, a removable cover for said receptacle, and means for removing said receptacle cover from the receptacle and successively removing both of said covers from the cup.

8. In a dispensing cup having a circumferential interior groove intermediate the top and bottom of the cup but nearer to the latter, the combination of a removable cover to seat in the said groove to form a closed chamber adjacent the bottom of the cup for containing a material to be mixed with a liquid in the cup after the said cover has been removed, the said cover being dished downwardly to form therein a receptacle for containing a second material to be mixed with the said liquid, a rebent extension on said cover forming a removable closure for said receptacle to lie against the peripheral portion of said cover, and an extension from said closure forming a handle by which said closure may be removed with said receptacle and from the cup together with said cover.

9. In a dispensing cup having a plurality of interior transverse grooves intermediate its top and bottom, the combination of a plurality of covers disposed in said grooves, said covers being attached one to the other, and means attached to one of said covers whereby all of the covers may be removed from the cup.

10. In a dispensing cup having an interior transverse groove intermediate its top and bottom, a cover member disposed in said groove, a member extending diametrally across the face of the cover member, and attached thereto, one of said members having a portion thereof offset from the other to provide a sealed chamber between the two members intermediate their bounding edges, and means attached to one of said members for opening said chamber and removing said cover member.

In testimony whereof I affix my signature.
WILLIAM SERR.