

P. KUCERA.
 PITCHER, TUMBLER, AND PACKAGE.
 APPLICATION FILED JULY 12, 1921.

1,421,696.

Patented July 4, 1922.

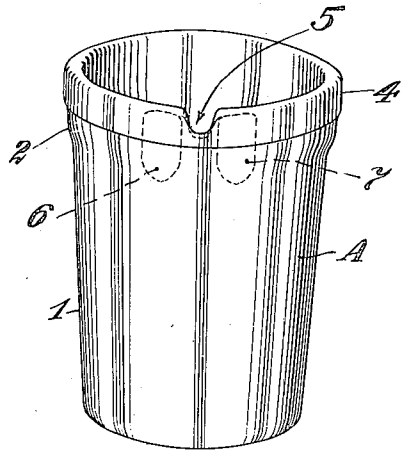


Fig. 1.

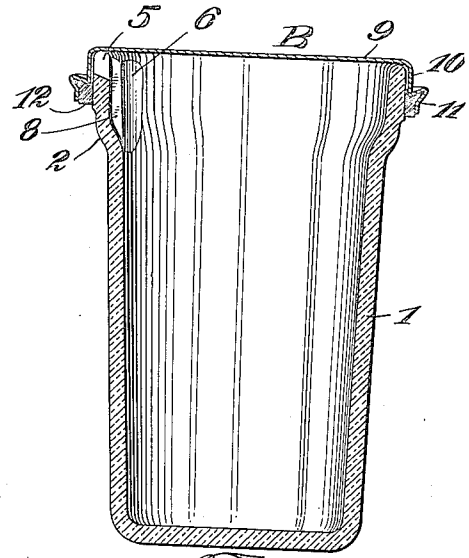


Fig. 2.

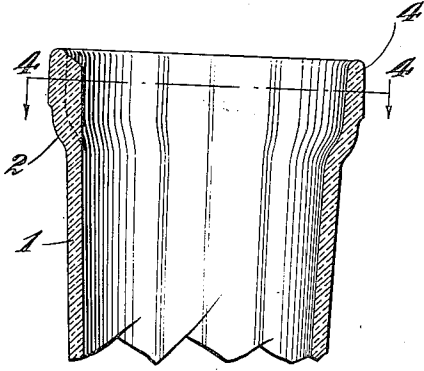


Fig. 3.

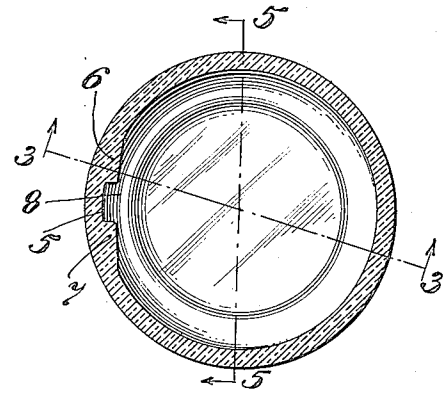


Fig. 4.

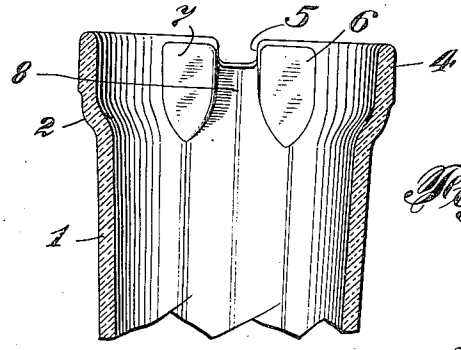


Fig. 5.

Inventor

Peter Kucera

George Ramsey

his Attorney

334

UNITED STATES PATENT OFFICE.

PETER KUCERA, OF CONNELLSVILLE, PENNSYLVANIA, ASSIGNOR TO CAPSTAN GLASS COMPANY, OF CONNELLSVILLE, PENNSYLVANIA, A CORPORATION OF DELAWARE.

PITCHER, TUMBLER, AND PACKAGE.

1,421,626.

Specification of Letters Patent. Patented July 4, 1922.

Application filed July 12, 1921. Serial No. 484,070.

To all whom it may concern:

Be it known that I, PETER KUCERA, a citizen of the United States, residing at Conneltsville, in the county of Fayette, State of Pennsylvania, have invented certain new and useful Improvements in Pitcher, Tumbler, and Package, of which the following is a specification.

This invention relates to packers' ware and more especially to a package and a glass tumbler or the like adapted to form the package.

The principal object of the present invention is a packer's jar or glass tumbler provided at the mouth with a pouring notch and guiding dams on each side of the pouring notch so that liquid in the tumbler may be easily and accurately guided to pour through the notch.

Another object of the present invention is a glass tumbler or the like as specified and wherein the pouring notch is so located with reference to the finish of the mouth of the tumbler as to be capable of being completely covered by a suitable cap to form a hermetically sealed package.

A further object of the present invention is a package formed by utilizing a notched end wall tumbler provided with liquid guiding means on each side of the notch, and wherein a hermetic seal is formed by a suitable cap adapted to be sealed on the tumbler below the said notch, so that the tumbler may be used directly as a table ware pitcher when the package is opened.

A still further object of the present invention is a packer's jar or tumbler having a bell shaped mouth provided with a pouring notch in the end wall of the mouth and wherein guiding dams are provided adjacent the mouth in such manner as to substantially comprise continuations of the side wall of the jar and to provide a channel to guide liquid to the pouring notch.

Another object of the present invention is a tumbler provided with a pouring notch in the upper edge and with guiding dams on each side of the pouring notch with the dams arranged in such manner as to be capable of being formed by ordinary glass machinery during pressing of ordinary tumblers.

Other and further objects of the present invention will in part be obvious and will in part be pointed out hereinafter by reference

to the accompanying drawings forming a part of the specification and wherein like parts are represented by like characters throughout the several figures thereof.

Figure 1 is a perspective view illustrating a tumbler provided with a pouring notch in accordance with the present invention.

Figure 2 is a sectional view showing a section through a package formed by a suitable hermetically sealed cap adapted to seal a tumbler of the character herein before specified and to comprise a package with the seal being formed below the said pouring notch.

Figure 3 is a vertical sectional view taken on line 3—3 of Figure 4 through one of the guiding dams.

Figure 4 is a view taken on line 4—4 of Figure 3, and illustrates the cross-section of the tumbler through the guiding dams.

Figure 5 is a view taken on line 5—5 of Figure 4 and illustrates a section which shows an inside elevational view of the pouring notch and the guiding dams.

Heretofore in the art it has been proposed to provide tumblers or jars with pouring lips. These lips form protuberances extending from the otherwise cylindrical contour of the vessel and are of such character as to require special molds or to be made by hand. Either special molds or hand operations greatly increase the cost of manufacture of such tumblers and furthermore the protruding lip substantially prevents the tumblers from being sealed by caps thereby preventing such tumblers from being utilized as packers' ware. It has also been proposed to form pouring notches in the side wall of tumblers and jars which notches are cut in by hand and without special provision to guide liquid through the notch. In attempting to use such tumblers as pitchers and in attempting to pour from such tumblers it is difficult to gage the pouring operation to guide the liquid through the notch and the liquid tends to spill over the end wall of the tumbler, so that substantially no gain in utility is obtained over the ordinary tumblers.

The present packer's jar is adapted for packaging liquid such as syrups, cream, or other liquid in such manner that the tumbler itself may be used as one member for forming a hermetically sealed package in which the sealing zone is so located with reference

to the notch that the notch does not interfere with the sealing operations; and when the package is broken the tumbler is used as a piece of table ware to comprise a pitcher
 5 from which the liquid contents are used directly. Preferably, though not necessarily, the sealing zone on the tumbler is on the exterior thereof and on that portion which is usually known in the art as the "finish" of
 10 the tumbler, which is formed by the ring mold of a glass press. Preferably the walls of the tumbler adjacent the mouth thereof extend outwardly in the form of a bell-shaped construction. The pouring notch is
 15 arranged to extend into the edge of the tumbler for a distance considerably less than the length or height of the "finish," so that the sealing may be easily accomplished below the notch. A pair of dams are arranged
 20 on each side of the pouring notch, in such manner as to provide a channel which leads to the pouring notch and so that liquid may be easily poured from the notch without any danger of the liquid spilling over the edges
 25 of the glass or tumbler on each side of the notch. As a matter of fact in certain forms of the invention the notch may be omitted and the channel alone relied upon as a pouring lip or guide.

30 An important element in the present invention is the fact that the parts are constructed in such manner that this tumbler may be made by ordinary glass machinery and without any change in the operation
 35 of the pressing machine or mold other than a slight change in the ring mold and in the plunger. The present tumbler therefore may be made as rapidly and as economically as the ordinary smooth wall type of tumbler
 40 with the assurance of uniform accuracy which is obtainable by machine manufacture over hand methods which was heretofore used in the art for making spouted tumblers.

45 Referring now to the drawings the tumbler A is formed with a body portion 1 which comprises substantially a frustum of a cone which is expanded outwardly adjacent the mouth of a tumbler as at 2 to provide
 50 a bell-shaped mouth. The end wall of the tumbler is provided with a sealing finish 4 which is substantially cylindrical and provides a smooth side wall for the reception of suitable sealing caps. The mouth
 55 of the tumbler is notched as at 5 to provide a pouring notch, and dams 6 and 7 are located on each side of the notch. These dams, preferably, are arranged to comprise substantially continuations of the inside inclined
 60 side wall of the body portion 1 as is shown in Figure 3. This construction permits the tumbler to be made from ordinary glass machinery by cutting out recesses in the plunger that forms the interior of the glass tumbler and since the longitudinal

crests of the dams are substantially continuations of the inner side wall of the tumbler there are no overhanging portions which tend to drag the glass out when the plunger is withdrawn. These dams are arranged in
 70 such manner as to provide a channel 8 which leads to the notch 5. This channel leads to the interior or body portion of the tumbler and affords a passageway or guide which directs the liquid in the body portion to the
 75 pouring notch.

Referring to Figure 2 which illustrates a sealed package, the cap B comprises a cover portion 9 and a depending skirt 10 which is provided with a bead 11 which is adapted
 80 to enclose a compressible gasket 12 which is sealed against the finish 4 to comprise a hermetically sealed package. It will be noted that the notch 5 is so located with reference to the length of the skirt 10 and
 85 the bead 11 that the gasket 12 lies below the notch within the hermetically sealed zone so that the notch does not interfere in any way with the use of the package for packing
 90 purposes.

The invention above described provides a package having two utilitarian purposes. One of these purposes is to provide a hermetically sealed package adapted for packing
 95 or storing liquid perishable food products such as cream, honey, syrups, etc. The other purpose is that of providing a table ware pitcher, which is produced by merely breaking the hermetic seal and unpacking
 100 the package.

Having thus described my invention, what I claim is:

1. An article of manufacture a packer's jar or the like comprising a jar with a substantially cylindrical mouth, a dam on the
 105 interior of the mouth and adjacent the edge of the jar with the longitudinal crest of the dam substantially a continuation of the inner wall of the jar, and a pouring notch adjacent said dam.

2. An article of manufacture a packer's jar or the like comprising a jar having a body portion formed as a frustum of a cone and with a substantially cylindrical
 110 mouth, a dam on the interior of the mouth and adjacent the edge of the jar, and with the crest of said dam being a continuation of the inner conical wall, and a pouring notch adjacent said dam.

3. An article of manufacture a packer's jar or the like comprising a jar having a body portion formed as a frustum of a cone and with a substantially cylindrical mouth,
 120 a dam on the interior of the mouth and adjacent the edge of the jar, and a pouring notch adjacent said dam, and a bell-shaped portion joining the body with the mouth, said dam extending substantially the length
 125 of the bell-shaped portion.

4. A packer's jar or the like comprising a 130

tumbler having a pair of dams adjacent the mouth of the jar, the outer edges of the dams blending into the contour of the inner wall of the mouth and with the longitudinal crests of the dams substantially a continuation of the inner side wall of the jar, and the inner walls of the dams being at substantially right angles to the contour of the wall of the mouth to form a channel on the interior thereof to guide liquid contents thereof during pouring.

5. A packer's jar or the like comprising a tumbler having the exterior of the tumbler adjacent the mouth thereof being smooth to comprise a sealing finish, a pair of dams adjacent the mouth of the jar to form a channel on the interior thereof to guide liquid contents thereof during pouring.

6. A packer's jar or the like comprising a tumbler having a pair of dams adjacent the mouth of the jar, the outer edges of the dams blending into the contour of the inner wall of the mouth, and the inner walls of the dams being at substantially right angles to the contour of the wall of the mouth to form a channel on the interior thereof to guide liquid contents thereof during pouring, the longitudinal portion of the dams sloping away from the axis of the tumbler and with the longitudinal crests of the dams being substantially a continuation of the inner wall of the jar.

7. A packer's jar or the like comprising a tumbler having the exterior of the tumbler adjacent the mouth thereof being smooth to comprise a sealing finish, a pair of dams adjacent the mouth of the jar the outer edges of the dams blending into the contour of the inner wall of the mouth, and the inner walls of the dams being at substantially right angles to the contour of the wall of the mouth to form a channel on the interior thereof to guide liquid contents thereof during pouring.

8. A packer's jar or the like provided with a sealing finish, a pouring notch arranged in the edge of the mouth of the jar and of a depth less than the depth of the sealing finish, and with the walls of the said notch terminating at the finish without producing any outward extension, and means to guide liquid in the jar to said pouring notch.

9. A packer's jar or the like provided with a sealing finish a bell-shaped portion below the sealing finish, a pouring notch arranged in the edge of the mouth of the jar and of a depth less than the depth of the sealing finish, and with the walls of said notch terminating at the finish without producing any outward extension, and means to guide liquid in the jar to said pouring notch.

10. A packer's jar or the like provided with a cylindrical sealing finish, a bell-shaped portion below the sealing finish, a

body portion below the bell shaped portion, a pouring notch arranged in the edge of the mouth of the jar and of a depth less than the depth of the sealing finish, and with the walls of said notch terminating at the finish without producing any outward extension, and means to guide liquid in the jar to said pouring notch.

11. A packer's jar or the like provided with a sealing finish, a bell-shaped portion below the sealing finish, and a pair of dams extending lengthwise of the bell shaped portion to provide a channel for pouring.

12. A packer's jar or the like provided with a cylindrical sealing finish, a bell-shaped portion below the sealing finish, a body portion below the bell-shaped portion and a pair of dams extending lengthwise of the bell-shaped portion to provide a channel for pouring.

13. An article of manufacture, a hermetically sealed package comprising a packer's jar or the like provided with a sealing finish on the end thereof, said sealing finish being broken at one portion by being indented to form a pouring notch in combination with a hermetic cap sealed on the end of said container and covering said pouring notch.

14. An article of manufacture, a hermetically sealed package comprising a packer's jar or the like with a cylindrical mouth to provide a sealing finish on the end thereof, said sealing finish being broken at one portion by being indented to form a pouring notch in combination with a hermetic cap sealed on the end of said container and covering said pouring notch.

15. An article of manufacture, a hermetically sealed package comprising a packer's jar or the like provided with a sealing finish on the end thereof, a bell-shaped portion below the cylindrical mouth, and liquid guiding means adjacent one portion of the mouth of the jar and leading across the bell-shaped portion, in combination with a hermetic cap sealed on the end of said container and covering said guiding means.

16. An article of manufacture, a hermetically sealed package comprising a packer's jar or the like provided with a sealing finish on the end thereof, and liquid guiding means adjacent one portion of the mouth of the jar in combination with a hermetic cap sealed on the end of said container and covering said guiding means.

17. An article of manufacture, a hermetically sealed package comprising a packer's jar or the like, a cylindrical mouth to provide a sealing finish on the end thereof and liquid guiding means adjacent one portion of the mouth of the jar in combination with a hermetic cap sealed on the end of said container and covering said guiding means.

PETER KUCERA.