Nov. 19, 1957 P. SCHLUMBOHM 2,813,651

SHAKER DECANTER

Filed Nov. 28, 1955

FIG. 1.

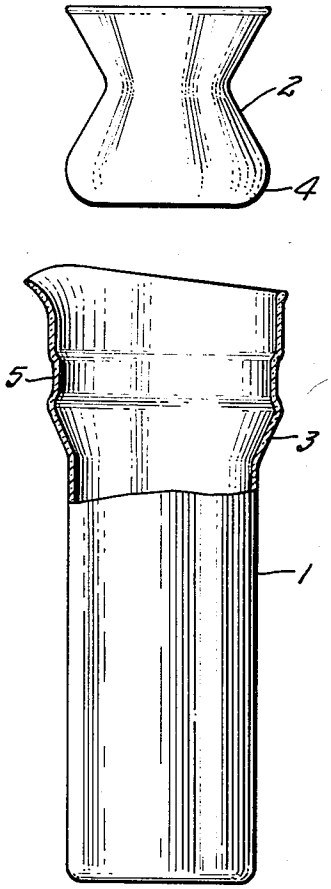


FIG. 2.

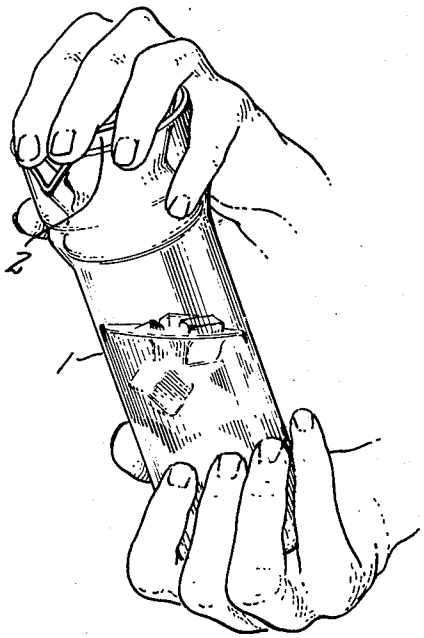


FIG. 4.

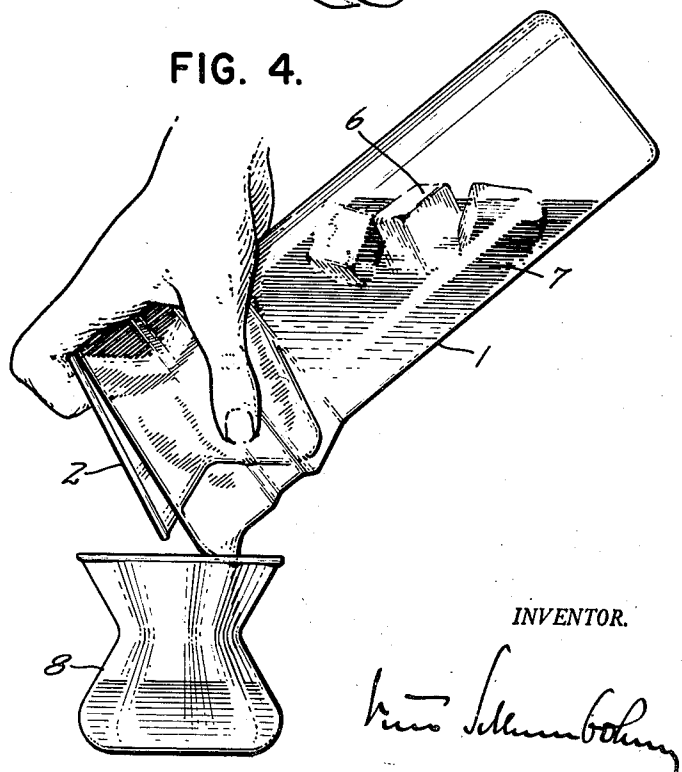
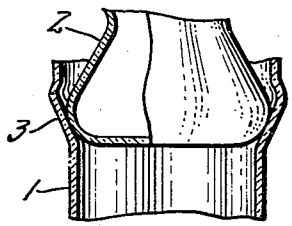


FIG. 3.



INVENTOR.

Peter Schlumbohm

United States Patent Office

2,813,651

Patented Nov. 19, 1957

2,813,651

SHAKER DECANTER

Peter Schlumbohm, New York, N. Y.

Application November 28, 1955, Serial No. 549,471

1 Claim. (Cl. 215—47)

The present invention refers to a container for holding liquid, which is equipped with a liquid-tight stopper. More specifically, the invention refers to a cocktail shaker and the invention aims especially at solving problems for making such a container all out of glass. Aside from the application as a cocktail shaker, one important application will be the use of the container as a refrigerator storage container, from which the liquid cannot evaporate.

The invention is illustrated in Figure 1 to Figure 4 of the accompanying drawings.

Figure 1 is an exploded view of the container, shown partly in view and partly in vertical section, and of the stopper, shown in view.

Figure 2 shows the device, in view, in use as a cocktail shaker.

Figure 3 is a detail of Figure 1, shown in vertical section and partly in view.

Figure 4 illustrates, in view, the dispensing of a cocktail from the device into a cocktail glass.

The main criticism against cocktail shakers is that they either leak or the stopper cannot be removed easily. This holds true especially when the device and the stopper are made from glass. In that case, the conical stopper "freezes up," often in a hopeless manner. The larger the diameter of such a ground glass stopper, the more difficult the handling becomes. On the other hand, for a device like a cocktail shaker, a wide mouth is desirable so as to allow for the passage of ice cubes.

In the case of cocktail shakers, an additional problem arises by assigning to the ground stopper also the function of holding back the ice and of admitting air for venting when the cocktail shall be dispensed. This necessitates complicated bored channels involving hand work and craftsmanship and, to my knowledge, there is no all-glass cocktail shaker which would solve all those problems and be fit for mass production.

My invention overcomes these difficulties in the following manner:

As shown in Figure 1, a container 1 has a lower cylindrical section, an upper cylindrical section of slightly wider diameter than the diameter of the lower section, and an intermediate section with flared side walls 3. As shown in detail in Figure 3, this section of flared side

walls 3 is the female part of a ground glass joint, the male counterpart of which is formed by the spherical side walls 4 of a hollow stopper 2. The tangential contact between the conically flared walls 3 and the spherical wall of the stopper 2 provides for a lineal seal. This lineal seal allows to disengage the joint by the slight wiggling of the stopper 2. Thus such a ground glass joint will never "freeze up."

By extending the side walls of the container 1 above and beyond said sealing zone 3, by providing a hollow stopper 2, and by aligning the open top of container 1 with the open top of the stopper 2, the following advantages are offered:

(1) As shown in Figure 2, the hand can clamp down on both the open top of the stopper 2 and the open top of the container 1, to press the stopper 2 against the flared walls 3. An outer groove 5, in the upper section of the container, cooperates with the fingers for a firm grip.

(2) As shown in Figure 4, the index finger can be placed inside the hollow stopper 2 to hold the stopper in a position where it will not touch the lineal seal zone but will allow liquid 7 to pass through the lower gap while withholding ice 6, and it also will allow air to enter through the upper gap for venting the container 1 so that the liquid 7 can be dispensed into the cocktail glass 8.

(3) The hollow stopper 2 can serve as a measure.

For use as refrigerator storage container, the hollow stopper may also hold food while sealing the container 1 which holds liquid.

I claim as my invention:

A shaker decanter comprising a primary container including a bottom wall and side walls and an open top, said side walls of said primary container having an upwardly and outwardly flared conical portion adjacent the top of said walls, a secondary element comprising a hollow stopper having a bottom wall and side walls and an open top, said stopper being provided adjacent the lower end thereof with a curved area extending thereabout in horizontal section so as to present an arcuate sealing surface in vertical section, having an outside diameter corresponding to an inside diameter of a horizontal portion of said flared portion, for engagement with the interior surface of said upwardly and outwardly flared portion of said primary container to thereby provide a line seal, the open top of said primary container and the open top of said stopper, when positioned in line seal relation, being generally in the same plane, whereby when, under the pressure of the hand, the stopper and the primary container are coaxial, the said line seal is effected and whereby when the stopper is rocked from said coaxial position a pouring and straining position is effected.

References Cited in the file of this patent

UNITED STATES PATENTS

832,640	Tracey	Oct. 9, 1906
1,969,486	Kurtz	Aug. 7, 1934