

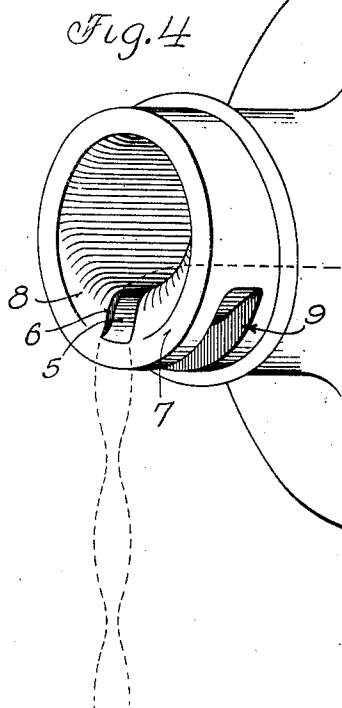
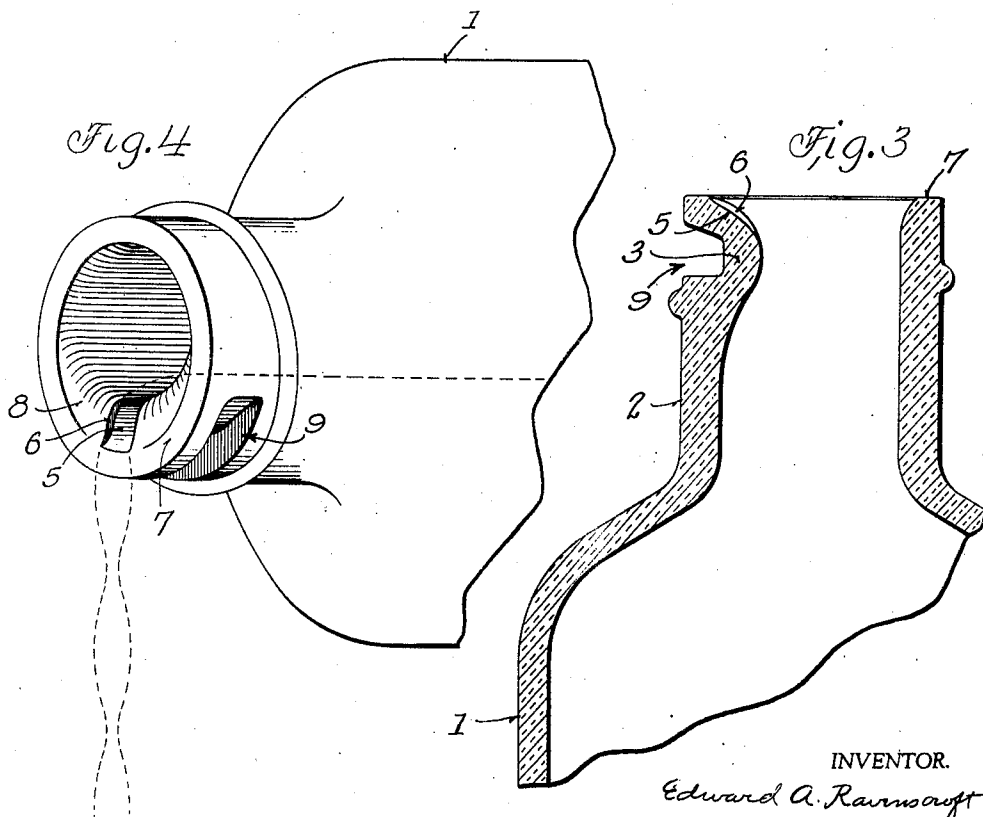
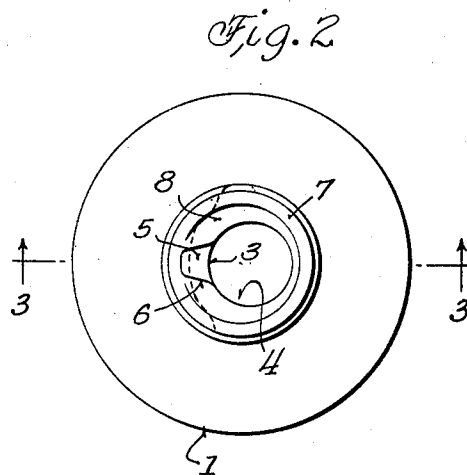
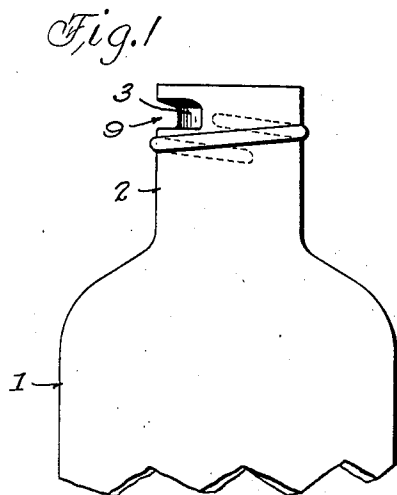
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BOTTLE FINISH

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2,059,910

BOTTLE FINISH

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4 Claims. (Cl. 215—31)

This invention relates to bottle finishers and resides in an improvement thereof which gives rise to ready pouring properties, produced through a combination of neck, throat, spout, and crest configuration wherein a pitcherlike pouring spout extends above a throat and projects laterally therefrom and is circumscribed at its top by a circular crest which comes into conjunction with said spout at the pouring lip, the crest being mono-planer and circular to facilitate the seating of a cap-held gasket, and beneath said throat a neck extends laterally into concentricity with said crest so that a cap-holding member engaging said neck may be properly positioned to draw a gasket against said circular crest. A gap, or notch, resulting from the lateral extensions of the pouring spout and the neck, extends part way around the exterior of the bottle finish, cooperating with the pitcherlike spout to form a configuration which is discouraging to flowback of fluid along the exterior of the bottle.

This invention, in that it furnishes ready pouring properties to bottles of so-called "screw-capped" type, is related to the invention of my copending application, Serial No. 640,517, and constitutes an improvement thereover.

The configuration and construction of the ready-pouring bottle finish of this invention is best described by reference to the accompanying drawing, wherein

Fig. 1 shows a side view of the construction of this invention;

Fig. 2 shows a top view thereof;

Fig. 3 shows a side sectional view taken at the plane 3—3 of Fig. 2;

Fig. 4 is a perspective view showing the construction of this invention when viewed from a point slightly to one side thereof.

Referring now to Fig. 3, the bottle finish of this invention is shown in a side sectional view. In the drawing the body 1 of the bottle is shown broken away. Mounted on the body 1 and extending upwardly is a cylindrical portion 2, which is concentric with the exterior of body 1, and which will be referred to as the neck.

The throat of the bottle is formed by a lateral intrusion 3, which extends inwardly from one side of the neck to form an aperture 4, shown in the top view of Fig. 2. The aperture 4, it will be noted, is eccentric with respect to the neck 2 and with the rest of the bottle. It is convenient to form the aperture 4 in a roughly circular form, although slightly elliptical configuration can be resorted to with advantage.

Rising from the throat, as shown in Fig. 3, and

extending laterally from the aperture 4 is a pitcherlike pouring spout composed of an inclined bottom 5 and walls 6. This spout, together with its walls and bottom, can be clearly seen in Fig. 4.

Rising above the pitcherlike pouring spout and extending entirely around the same and enclosing the aperture 4 is the concentric, circular crest 7, which is concentrically aligned with respect to the cylindrical neck 2 and the remainder of the bottle. The surface of the crest 7 is in a single plane so that a gasket drawn down against said surface will come to a fair seat and will seal the bottle. Joining the circular crest 7 with the pitcher spout and aperture 4 is a roughly conical surface 8.

It will be noted in Figs. 3 and 1 that between the neck 2 and the pitcher spout there is a depression or notch 9 extending part way around the exterior of the bottle finish. This depression, cooperating with the pitcherlike pouring spout provides the ready pouring properties which are the principal advantages of the construction of this invention. In addition to such advantage is the fact that the neck 2 is concentric with the circular crest 7, as shown in Fig. 1, so that fastening means disposed upon the neck 2 can be used to draw a cap closure onto the bottle, giving the bottle a completely symmetrical appearance when closed. This symmetrical appearance is of decided esthetic value and, in addition, is of particular utility when bottles are to be filled and sealed on automatic filling and sealing machinery.

The pouring properties of the bottle of this invention are distinctly advantageous under all conditions of pouring, but are of particularly marked superiority when attempting to pour minute quantities, in which case the liquid spreads into a very thin layer at the weirlike portion of the throat 3 and is gathered by the pitcher spout and delivered from a small circumference of the crest 7, where it may be directed into the opening of small containers or the like.

What I claim as my invention is:

1. In a ready-pouring bottle, the combination with said bottle of a cylindrical neck rising from said bottle, an eccentrically placed throat in said neck formed by an inwardly-deflected portion on one side of said neck, a pitcherlike pouring spout extending laterally from said throat on the side of said inward deflection and above the same, and terminating in a pouring edge, the upper end of said neck terminating as a flat surface in a plane at a right angle to the axis of the neck, the outer peripheral edge of said surface forming a circle and being positioned concentric with

the exterior of said neck to encompass said throat and said pouring spout and being disposed entirely above the latter at all points except the pouring edge.

- 5 2. In a ready-pouring bottle, the combination
with said bottle of a cylindrical neck rising con-
centrically from said bottle, an eccentrically
placed throat in said neck formed by an inwardly-
deflected portion on one side of said neck, a
10 pitcherlike pouring spout extending laterally from
said throat on the side of said inward deflection
and above the same, and terminating in a pour-
ing edge, the upper end of said neck terminating
as a flat surface in a plane at a right angle to
15 the axis of the neck, the outer peripheral edge of
said surface forming a circle and being positioned
concentric with the exterior of said neck to en-
compass said throat and said pouring spout and
being disposed entirely above the latter at all
20 points except the pouring edge.

3. In a ready-pouring bottle, the combination
with said bottle of a cylindrical neck rising from
said bottle, an eccentrically placed throat in said
neck formed by an inwardly-deflected portion on
25 one side of said neck, a pitcherlike pouring spout
extending laterally from said throat on the side
of said inward deflection and above the same,
and terminating in a pouring edge, the upper

end of said neck terminating as a flat surface in
a plane at a right angle to the axis of the neck,
the outer peripheral edge of said surface form-
ing a circle and being positioned concentric with
the exterior of said neck to encompass said throat
5 and said pouring spout and being disposed en-
tirely above the latter at all points except the
pouring edge, and fastening means on the exterior
of said neck for holding a cap against said surface.

4. In a ready-pouring bottle, the combination
10 with said bottle of a cylindrical neck rising from
said bottle, an eccentrically placed throat in said
neck formed by an inwardly-deflected portion on
one side of said neck, a pitcherlike pouring spout
extending laterally from said throat on the side
15 of said inward deflection and above the same,
and terminating in a pouring edge, the upper end
of said neck terminating as a flat surface in a
plane at a right angle to the axis of the neck,
the outer peripheral edge of said surface forming
20 a circle and being positioned concentric with the
exterior of said neck to encompass said throat
and said pouring spout and being disposed en-
tirely above the latter at all points except the pour-
ing edge, and screw threads on the exterior of
25 said neck engageable by a screw-cap for drawing
said cap against said surface.

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