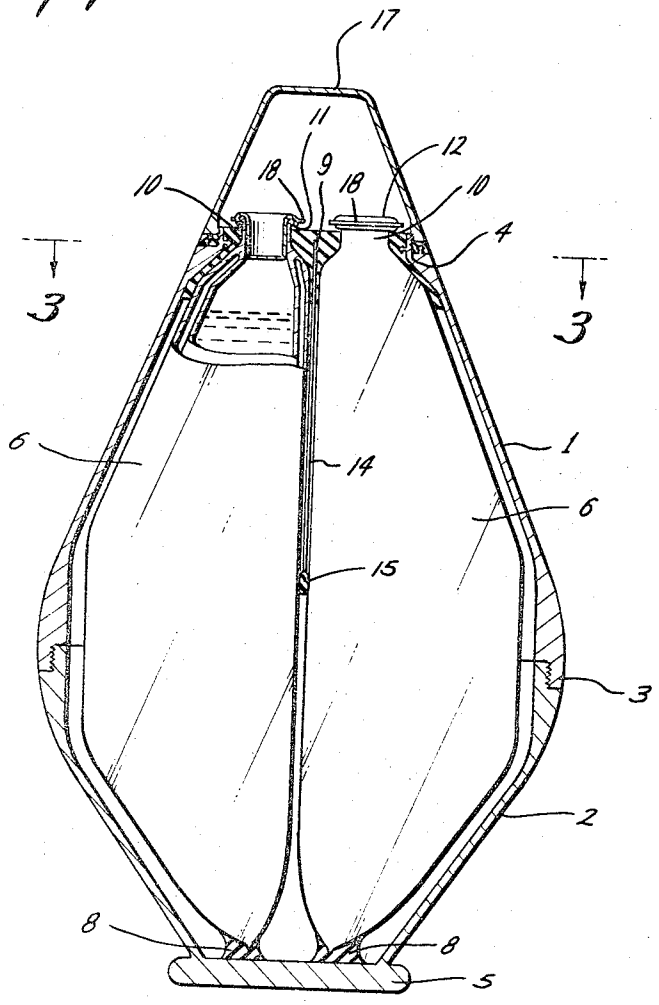
Aug. 22, 1967 D. ANGELO 3,337,073

VACUUM BOTTLE

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Fig. 1



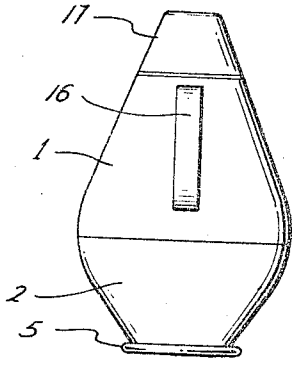


Fig. 2

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Fig. 3

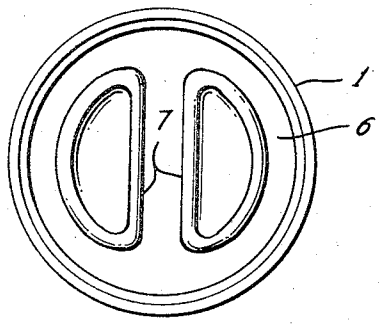
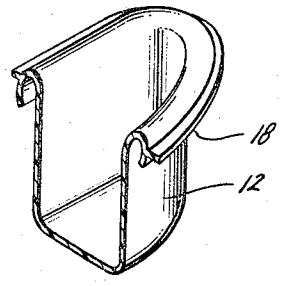


Fig. 4



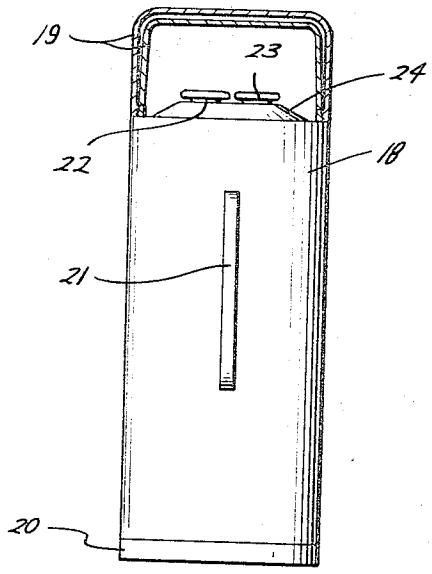


Fig. 5

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VACUUM BOTTLE

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5 Claims. (Cl. 215—6)

ABSTRACT OF THE DISCLOSURE

A vacuum bottle having a sectioned housing and having a pair of fillers therein shaped to conform to the shape of the housing on one side and to present flat, closely spaced, adjacent faces on the other side, with means for maintaining the fillers out of contact with each other, and having overturned portions at the necks of said fillers to receive a readily removable stopper, and having a handle in alignment with the divider between said fillers.

Summary of the invention

This invention relates to new and useful improvements in a vacuum bottle.

It is an object of this invention to provide a vacuum bottle having dual fillers and a single housing.

It is another object of the invention to provide a vacuum bottle having means for multiple fillers and singular housing, having novel means for maintaining the fillers out of contact with each other.

It is another object of the invention to provide a vacuum bottle having multiple fillers, and having novel means for retaining and replacing said fillers.

With the above and other objects in view, the invention has relation to certain novel features of construction, operation and arrangement of parts more particularly defined in the following specifications and illustrated in the accompanying drawings, wherein:

FIGURE 1 is a side elevational view, in cross section, of the assembled device.

FIGURE 2 is an elevational view of the bottle housing, showing the position of the handle.

FIGURE 3 is a cross sectional end view taken on the line 3—3 of FIGURE 1.

FIGURE 4 is a cross sectional elevational view of the bottle stopper employed, and

FIGURE 5 is a side elevational view, partially in cross section, illustrating another form of the invention.

Referring now more particularly to the drawings, the numerals **1**, **2** designate the top and bottom sections, respectively, of the housing, which may be formed of plastic, or the like, and each section will be substantially conical in shape, and the two sections will be shaped to form a threaded joint **3** at the larger ends of the respective cones. The section **1** has the externally threaded cup receiving flange **4** at its smaller end and the smaller end of the section **2** has the annular base member **5**.

Fillers as **6**, **6** are formed with the flat adjacent sides **7**, **7** and are tapered inwardly at each end on the outside wall to conform to the shape of the housing sections **1**, **2**. Yieldable pads **8**, **8** are mounted on the bottom of each of the fillers **6**, **6**. A yieldable collar **9** is mounted around the necks **10**, **10** of the respective fillers and the ends of the fillers are overturned as at **11**, forming the receiving lips for the stoppers **12**, **12**. The stoppers as **12** are hollow and shaped to fit snugly in the half-moon shaped openings of the fillers **6**, **6**. The upper margin of the stoppers **12** are overturned as at **13**, so that the overturned ends of the fillers will be tightly enclosed in the overturned ends of the stoppers when the stoppers are in stopping position.

Extending downwardly from the collar **10** is the divider **14** having a flexible bumper **15**, adapted to maintain the

fillers in close proximity without actual contact with each other.

A suitable cup **17** is mounted on the flange **4**, and a handle **16** is provided on the side of the housing **1**, in vertical alignment with the divider **14**.

In use, the sections **1**, **2** may be readily separated, and the fillers **6** mounted therein by thrusting the necks of the fillers up through the collar **9**, with the flat sides of the fillers in close proximity, and the lower section of the housing **2** mounted on the upper section **1**. Hot and cold fluids may be carried in the respective fillers and the contents sealed against leakage by the stoppers **12** and maintained at the temperature when placed in the respective fillers in the usual manner, and maintained out of contact with each other by means of the divider **14**. When the user wants to consume the contents of either filler, the cup is removed and the respective stopper is removed and the handle will provide means for pouring from either filler, without leakage from the other filler.

Each of the stoppers **12**, **12** have an annular flange **18** mounted on the respective lips **13**, so that in removing a stopper, pressure may be applied upwardly on the flange **18** to disengage the lip **13** from the overturned ends **11**.

In the form shown in FIGURE 5, the housing **18** is a straight sided cylinder, with the bottom removable, as **20**, to replace the respective fillers and with dual cups **19** mounted in the top and a handle **21** on a plane with the division line between the two fillers **22**, **23** mounted in the collar **24**.

While the foregoing are considered preferred forms of the invention, they are by way of illustration only, the broad principle of the invention being defined by the appended claims.

What I claim is:

1. In a vacuum bottle, a housing composed of a pair of joined sections, a flexible collar in the upper end of one section, openings in said collar to receive the necks of multiple fillers, a divider suspended from said collar, fillers mountable in said housing, one end of said fillers having reduced necks, and the body of each of said fillers being shaped to conform to the contour of the housing on their outside areas and to present flat, closely spaced faces.

2. The device defined in claim **1** wherein the necks of said fillers are overturned at the upper margin.

3. The device defined in claim **2** wherein stoppers are provided to fit in said necks and to engage said overturned margins.

4. The device defined in claim **1** wherein a handle is provided on said housing in vertical alignment with the said divider.

5. The device defined in claim **1** wherein the housing is a straight sided and removable base structure, with dual cups provided on the upper end of said housing.

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