July 24, 1934. M. A. WAGNER 1,967,794

BOTTLE CONTAINER

Filed June 6, 1931

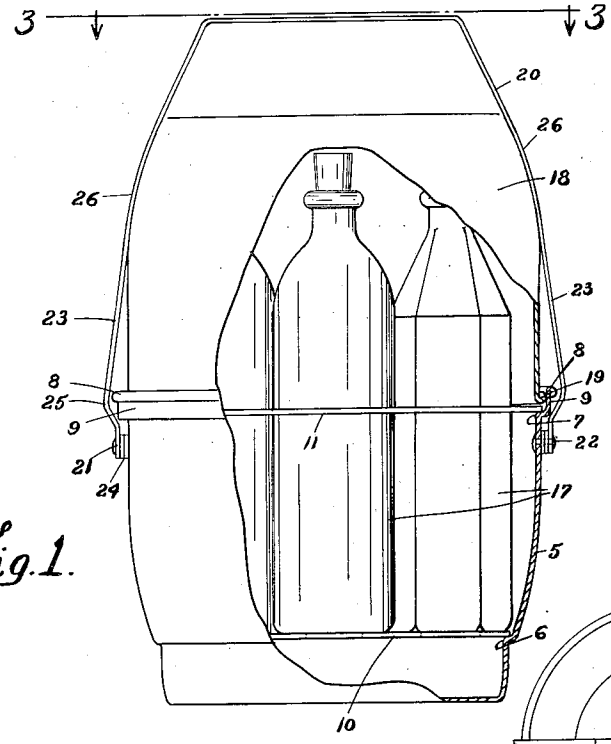


Fig. 1.

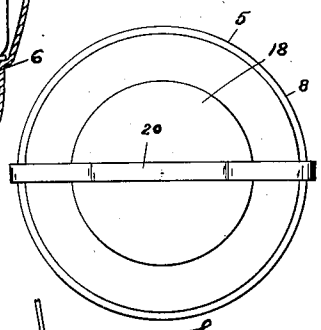


Fig. 3

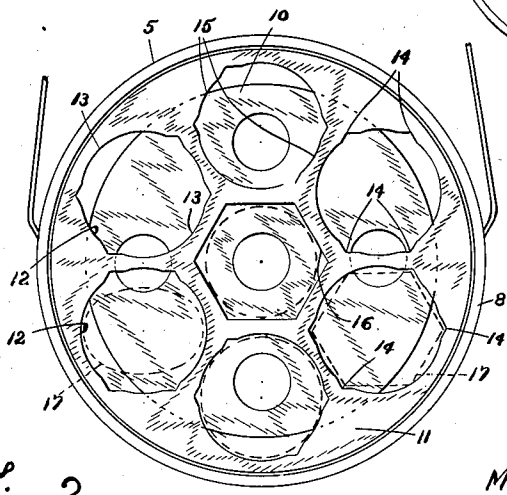


Fig. 2.

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BOTTLE CONTAINER

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5 Claims. (Cl. 220—21)

This invention relates to a container for bottles, which container is adapted for a variety of uses.

An object of the invention is to provide such a container for holding a plurality of bottles in an upright position and having means associated therewith for precluding turning on a vertical axis of bottles of commonly used forms.

Another object is to provide such a device particularly adapted for use with nursing bottles and serving as a carrier for such bottles, as a sterilizing, and likewise as a cold pack container.

Another object is to provide means of the class described of simplified and efficient construction.

These and other objects are attained by the means described herein and set forth in the accompanying drawing, in which:

Fig. 1 is a side elevational view, partly broken away and partly in cross section, of a container and associated means of the present invention equipped with bottles.

Fig. 2 is a plan view of the lower section and associated parts of the container, with the bottles removed therefrom.

Fig. 3 is a view taken on line 3—3 of Fig. 1.

The device comprises a lower section 5, preferably rounded in horizontal cross section and provided adjacent the bottom with an integral interior annular shoulder 6 and adjacent the top, with a similar shoulder 7 and preferably with an out-turned rim bead 8, by which structure a top flange 9 is formed. A perforate plate 10 seats upon shoulder 6 and forms a false bottom for container section 5. An apertured plate 11, of special formation, is adapted to seat similarly upon upper shoulder 7. Plate 11 is formed with a plurality of apertures 12, each bounded by a pair of opposed arcuate portions 13, corners 14, and opposed slightly arcuate sections 15. A central aperture 16 of other outline, for example, hexagonal, may be provided. Bottles 17 are adapted to be inserted through the apertures of positioned plate 11, to be supported upon the bottom plate 10, and to project above plate 11. By reference to Fig. 2 and the dotted lines thereof, it will be seen that the opposed arcuate portions 13 of apertures 12 hold an oval bottle against pivotal movement on a vertical axis, and that corners 14 preclude such turning of hexagonal-shaped bottles, these two shapes being commonly used in nursing bottles since they roll less readily than other types.

The top or cover 18 of the container is sufficiently deep to clear the tops of bottles held in section 5. Top 18 has the annular out-turned rim bead 19 adapted to fit snugly within the flange 9 and to rest against the positioned plate 11. A handle 20 is pivotally mounted at opposite points adjacent the top of section 5, as at 21 and 22, the ends of the arms 23 of the handle being spaced from section 5 such as by washers 24, and the handle portions 25 being out-turned to clear flange 9 and bead 8 of the lower section 5. Intermediately of the handle 20, arms 23 converge inwardly as at 26 to frictionally engage the top lateral portions of cover 18 for further binding the cover in position.

The device of the invention is adapted for a variety of uses. It may be utilized in sterilization of bottles and in pasteurization of milk, wherein a close to air-tight container is desirable. Corks, stoppers, and the like may be placed upon the plate 11, for sterilizing. The bottom compartment of section 5, beneath plate 10, is adapted for holding water in such processes as those mentioned, and for effecting a cold pack for the bottles, this compartment may be filled with cracked ice, which may likewise be placed upon and above plate 10 if desired.

The device is thus adaptable to domestic travel and outdoor use, its compactness, its few parts, and the ready removal and assembly of parts, being desirable features in equipment of this kind.

What is claimed is:

1. A container especially adapted for carrying nursing bottles and for use in sterilizing the same, said container comprising a lower section provided adjacent the bottom and the top with an annular interior shoulder, a pair of apertured plates adapted to seat one each upon one of the shoulders, the upper plate permitting insertion therethrough of bottles adapted to rest upon the bottom plate and to project above the upper plate, a cover adapted to fit snugly within the top edge portion of the lower section and to rest upon the positioned upper plate thereof, said cover in position being adapted to clear the bottles held by the lower section and a handle comprising arms mounted for free pivotal movement upon said lower section and converging inwardly intermediate their ends whereby to frictionally engage the upper portion of the positioned cover for further precluding displacement thereof when so engaged.

2. A container especially adapted for carrying nursing bottles and for use in sterilizing the same, said container comprising a lower section, a pair of spaced plates mounted transversely and interiorly of said section, the upper plate being

provided with apertures permitting insertion therethrough of bottles adapted to rest upon the bottom plate and to project above the upper plate, said apertures having opposed arcuate border portions with intervening angular portions whereby to preclude rotation therein of bottles of angular and elongated cross-sectional outline, a cover adapted to fit snugly within the top edge portion of said lower section and to rest upon the upper plate thereof, and a handle pivotally mounted upon the lower section and adapted in operative position to frictionally engage the positioned cover.

3. A container especially adapted for carrying nursing bottles and for use in sterilizing the same, said container comprising a lower section provided adjacent the bottom and the top with an annular interior shoulder, a pair of apertured plates adapted to seat one each upon one of the shoulders, the apertures of the upper plate permitting insertion therethrough of bottles adapted to rest upon the bottom plate and to project above the upper plate, said apertures having opposed arcuate border portions with intervening angular portions whereby to preclude rotation therein of bottles of angular and elongated cross sectional outline, a cover adapted to fit snugly within the top edge portion of the lower section and to rest upon the positioned upper plate thereof, said cover in position being adapted to clear the bottles held by the lower section, and a handle comprising arms mounted for free pivotal movement upon said lower section and converging inwardly intermediate their ends whereby to frictionally engage the upper portion of the positioned cover for further precluding displacement thereof when so engaged.

4. The combination with a container adapted to hold bottles and having a bottom and side walls, of an apertured plate permitting insertion therethrough of bottles adapted to rest upon said bottom and to project above said plate, the apertures of the plate having opposed arcuate border portions with intervening angular portions whereby to preclude rotation therein of bottles of angular and elongated cross sectional outline.

5. In a utility kit for nursing bottles the combination of a pair of container sections, one adapted to be inverted upon the other, the lower container having an interior annular shoulder adjacent its top forming a seat in which the lower edge portions of upper container are snugly receivable for frictionally binding the upper container in place, a plate seated on said annular shoulder and upon which the upper container rests, said plate having bottle receiving apertures and a handle pivoted on the lower container and adapted to embrace the upper container for further binding it in its seat on said lower container and rigidly holding the plate in position.

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