Oct. 2, 1962 C. S. KASPER, SR., ETAL 3,056,534

BOTTLE HOLDER

Filed June 19, 1957

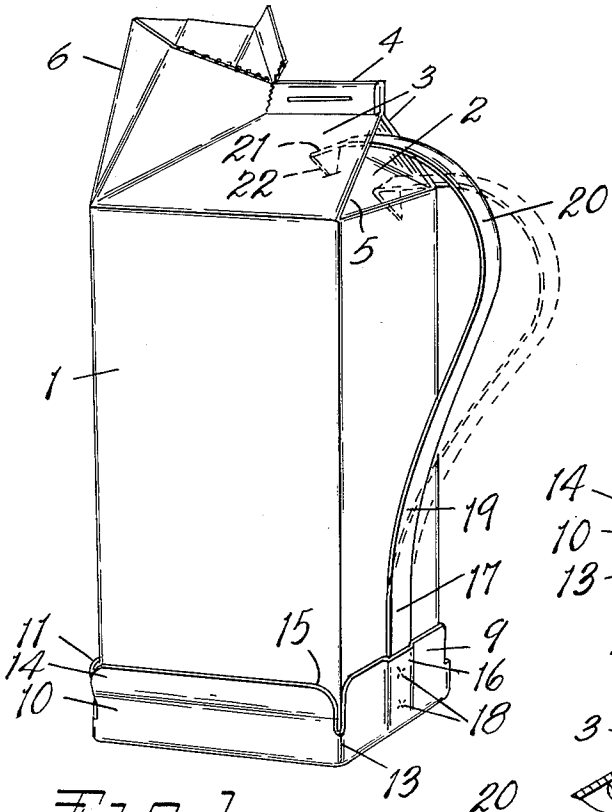


FIG. 1

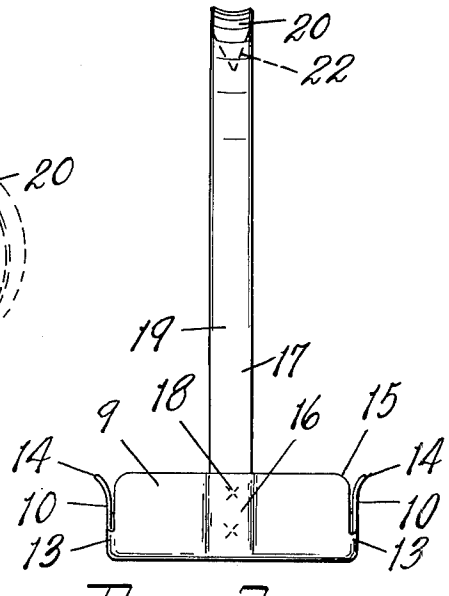


FIG. 2

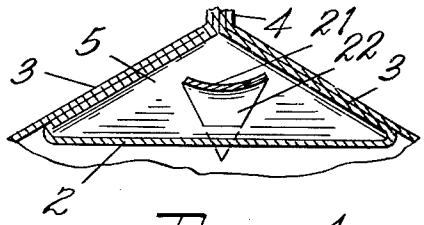


FIG. 4

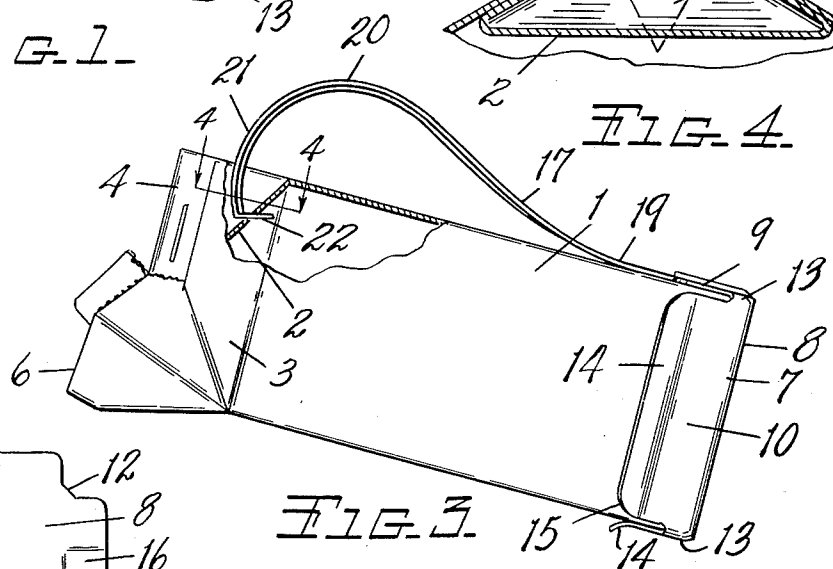


FIG. 3

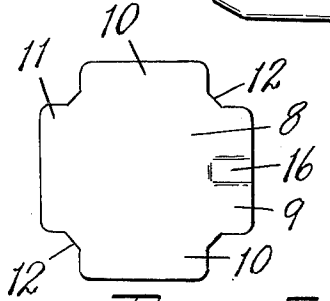


FIG. 5

INVENTORS
Chester S. Kasper Sr.
Rudolph H. Kassin Sr.

By Earl
Attorneu.

United States Patent Office

3,056,534
Patented Oct. 2, 1962

3,056,534

BOTTLE HOLDER

Chester S. Kasper, Sr., Cedarville, and Rudolph H. Kassin, Sr., Hessel, Mich.

Filed June 19, 1957, Ser. No. 666,588
1 Claim. (Cl. 224—45)

This invention relates to holders for bottles formed of fiberboard and of the type having top closures including an inner closure member and overhanging outer closure members defining a recess.

The main objects of this invention are,

First, to provide a bottle holder for fiberboard bottles, such as widely used milk bottles, which may be very quickly engaged with a bottle and released therefrom and at the same time securely holds the bottle for carrying and pouring.

Second, to provide a bottle holder having these advantages which is capable of repeated use and is easily kept in a sanitary condition.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawings, in which:

FIG. 1 is a side perspective view of a bottle holder embodying our invention with a bottle therein, the bottle having been opened for pouring, the disengaged position of the combined handle and bottle clamping member being indicated by dotted lines.

FIG. 2 is a rear elevational view of our bottle holder.

FIG. 3 is a side elevational view partially broken away and in section illustrating the use of the holder in pouring.

FIG. 4 is an enlarged fragmentary view in section on a line corresponding to line 4—4 of FIG. 3.

FIG. 5 is a plan view of the blank from which the base member of our holder is formed.

In the accompanying drawing, **1** represents a bottle formed of container or fiberboard stock and provided with an inner closure member **2**, and outer closure members **3** seamed together at **4**. The inner closure member **2** is disposed in outwardly inclined relation and coacts with the outer closure members defining a recess designated generally by the numeral **5**. The bottle is designed to be opened by breaking out the inner closure member and a portion of the outer closure members, as is shown in FIGS. 1 and 2, to provide a pouring spout **6**. This fiberboard bottle illustrated is widely used and is illustrated inasmuch as our bottle holder illustrated is especially desirable for use therewith.

Our bottle holder comprises a base member designated generally by the numeral **7**, which comprises a bottom **8**, rear wall **9**, side walls **10**, and front wall **11**. These are desirably formed from a single piece of sheet metal stock died or cut out to form the walls with gusset portions **12** connecting the end edges of adjacent walls. When the walls are turned upwardly from the flat blank, the gussets form corner connections **13** for the walls providing a rigid tray-like holder base member. The base member is stiff or rigid even when formed of relatively light gauge stock. The upper edges of the side and end walls are turned outwardly to provide curved flanges **14** having rounded corners **15**. This provides good surfaces for grasping and facilitates the insertion of the bottles in the base member.

The rear wall has an outward offset **16** centrally thereof in which the lower end of the springable handle member **17** is disposed and fixedly secured as by spot welds indicated at **18**. This handle member has an upright portion

19 which projects upwardly a substantial distance above the rear wall of the base member in supporting engagement with the bottle, as is shown in FIGS. 1 and 3. The handle member has an outwardly bowed grip portion **20** extended forwardly at **21** and terminating in a downwardly projecting and outwardly inclined V-shaped jaw **22**. With a bottle seated in the base member the portion **21** of the handle member is inserted into the recess **5** of the bottle and pressed downwardly so that its jaw punctures the inner closure member, as is clearly shown in FIGS. 3 and 4 of the drawing, thus securely retaining the bottle in the holder, and when so engaged the bottle may be manipulated for carrying or pouring as may be desired.

The handle is quickly engaged with the bottle and may be quickly released merely by springing the portion **21** of the handle upwardly to disengage the jaw **22**. The grip portion of the handle member is desirably of curved cross-section as is best shown in FIG. 4. This not only stiffens the handle member thus permitting the use of lighter stock, but it also makes it more convenient to grasp. In inserting the jaw the thumb of the hand grasping the handle may be placed on the top of the portion **21** of the handle to cause the jaw to penetrate the inner closure member, the curving of the handle minimizing the likelihood of the thumb slipping from the handle during the engaging operation. To disengage it is merely necessary to lift upward on the handle portion **21**.

We have illustrated and described our invention in a highly practical embodiment thereof and an embodiment which may be very economically produced. We have not attempted to illustrate or describe other embodiments or adaptations as it is believed this disclosure will enable those skilled in the art to embody our invention as may be desired.

Having thus described the invention, what is claimed as new and is desired to be secured by Letters Patent is:

A holder for bottles formed of fiberboard of the type having a top closure including an outwardly inclined inner closure member and overhanging outer closure members defining a recess having an outwardly inclined bottom, the holder comprising a rectangular base member adapted to supportedly receive a bottle and including a bottom and integral upstanding front, side and rear walls having relatively short end edge connections extending upwardly from the bottom, the front and side walls having outwardly flared flange like top portions with curved corners, the rear wall having an outward offset therein, and a strap like springable handle member disposed within and fixedly secured in said offset and having an upright bottle engaging portion of substantial height projecting upwardly from said base member and an outwardly bowed springable grip portion thereabove terminating in a downwardly and outwardly projecting V-shaped jaw overhangingly opposed to the base member and penetratingly engageable with the inner closure member of a bottle seated in said base member and springably retained in engagement therewith, said grip portion being of transversely curved cross section.

References Cited in the file of this patent

UNITED STATES PATENTS

894,725	Cooper	July 28, 1908
2,635,000	Baker	Apr. 14, 1953
2,757,034	Puhl	July 31, 1956
2,801,743	Green	Aug. 6, 1957
2,810,503	Krueger	Oct. 22, 1957
2,844,346	Six	July 22, 1958