

July 5, 1932.

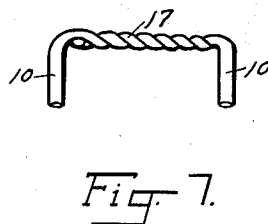
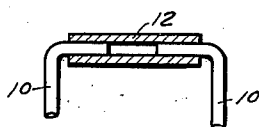
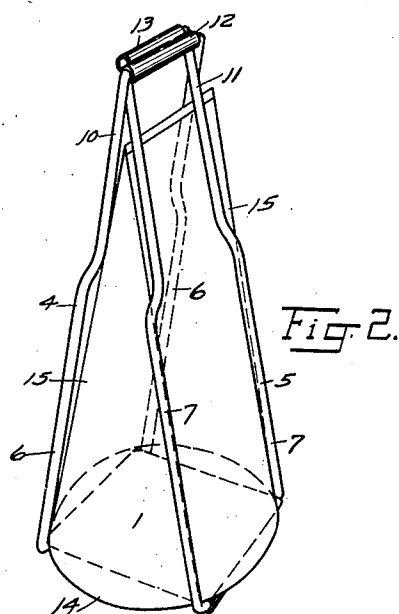
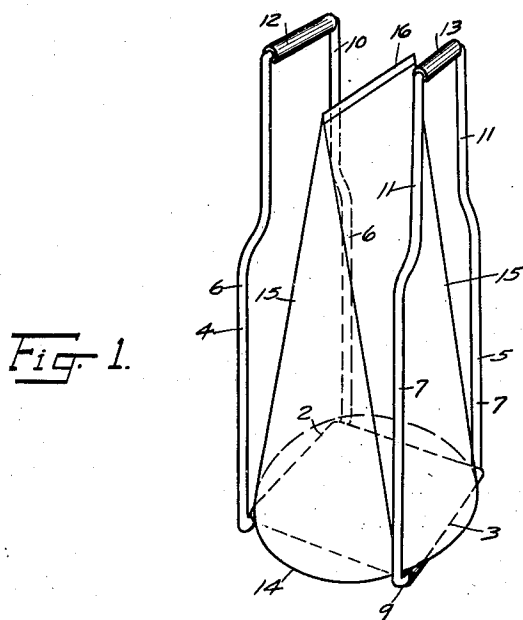
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1,865,645

BOTTLE HOLDER AND CARRIER

Filed March 27, 1929

2 Sheets-Sheet 1



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BOTTLE HOLDER AND CARRIER

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2 Sheets-Sheet 2

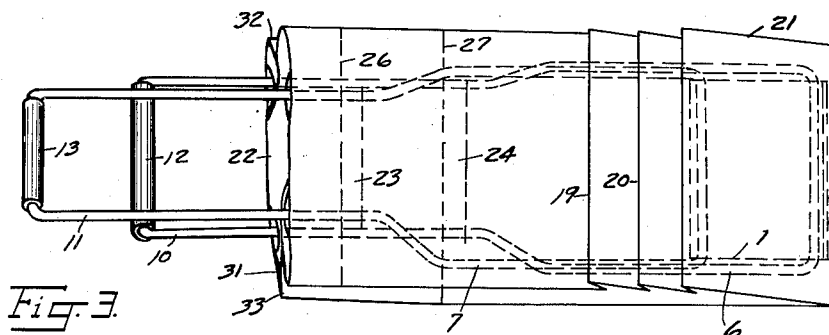


Fig. 3.

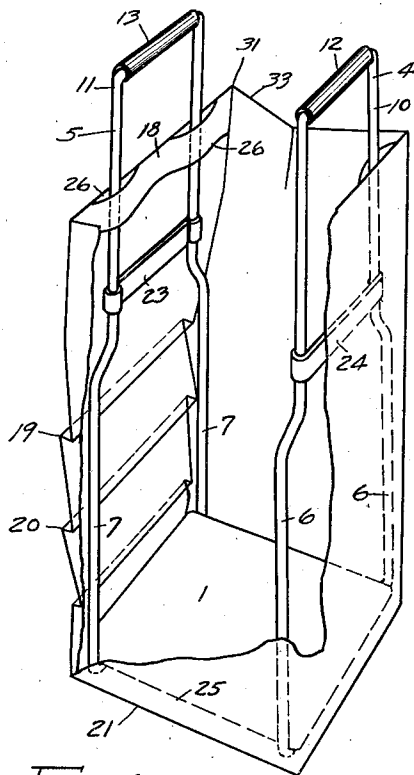


Fig. 4.

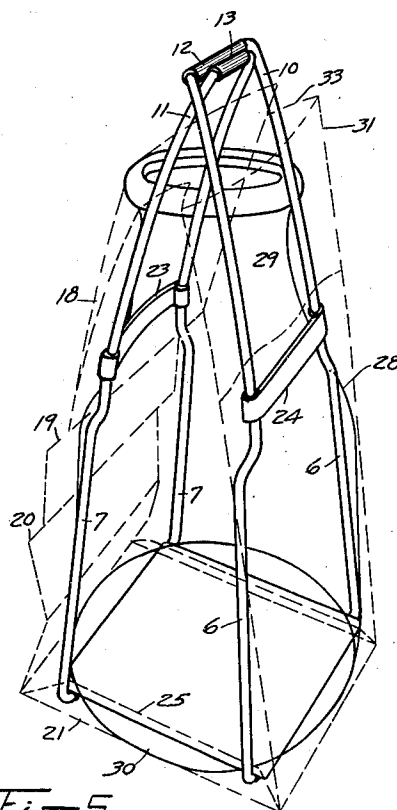


Fig. 5.

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BOTTLE HOLDER AND CARRIER

Application filed March 27, 1929. Serial No. 350,421.

This invention relates to bottle holders for carrying milk bottles and the like, and particularly to the class in which a pair of handles are hinged to a bottom plate or frame member in order to be initially collapsible and adapted to be used in combination with a bag of fabric or web.

The main object of my invention is to provide a holder of the character mentioned which may be used with or without an outside bag made of paper or fabric, and which may be folded substantially flat when not in use.

Another object is to provide such a bottle holder with a pair of handles which are self locking in relation to each other when a bottle is placed between them upon the bottom frame or plate of the holder so that the whole assembly may then be carried by the resulting compound handle.

A further object is to provide a bottle holder which is very simple and inexpensive to make, and yet strong, light and positive in operation and utility.

Other objects and advantages inherent in my invention will appear more fully hereinafter as this specification proceeds.

In the accompanying drawings forming part hereof:—

Fig. 1 is a perspective view of a simple form of my invention illustrating several of the main features thereof and especially made for use with paper cartons for milk which are round bottomed but have a flattened opening closed by a straight seal at the top.

Fig. 2 is another view of the same showing the handles crossed and locked for carrying the whole.

Fig. 3 is a view of a combined holder and bag structure made in conformity with my invention and embodying all the novel features thereof, the whole being in initial collapsed position.

Fig. 4 is an upright view of the same when opened, the bag portion being merely indicated in order to clarify the view.

Fig. 5 is another view of the same with a glass milk bottle in position within and the handles locked over the bottle.

Fig. 6 is a fragment of the upper portion of a handle shown in section to reveal one form of construction therefor.

Fig. 7 is a modification of the same handle. Throughout the views, the same reference numerals indicate the same or duplicate parts.

In the practice of my invention, a bottom plate or supporting member 1 has hinged to a pair of parallel edges 2 and 3 thereof a pair of handles generally indicated by 4 and 5. The handle 4 has a pair of upright posts 6, 6 which are spaced apart by the whole width of member 1 and are brought toward each other in a pair of upper posts 10, 10 which are united by a tube 12 or twisted together as at 17, or otherwise connected in known manner to form a handle proper. In similar manner, the handle 5 is provided with the posts 7, 7 which are bent toward each other to form upper posts 11, 11 which in turn are united at 13 as before. If a paper container for milk indicated at 14 is placed in position on the bottom member between the handles, as indicated in the first view, the handles may be brought together by the hands over the straight seal 16, which forms the upper edge of the container, so that they make general contact up along the sides 15 of the container and parts 12 and 13 meet. It is then but necessary to slightly rotate these members with respect to each other, that is, to raise part 12 and depress part 13, when the two will snap past each other into a locked assembly as indicated in Fig. 2, holding the container securely in place with the side members 4 and 5 under stress and the whole in rigid assembly. The members 12 and 13 are thus a compound handle whereby to carry the container as by a single handle, and when used to sufficiency may again be released therefrom by unlocking them.

In the preferred form of my invention shown in Figs. 3 to 5, the handle 4 is provided with an intermediate brace 24 and the handle 5 with a similar brace 23 whose purpose will immediately appear. A bag made of paper, cloth or any suitable material 31 has a conventional square bottom 21 beneath member 1, the usual creased sides 32 and 33 and one

flat side 22, while the opposite side is folded both at a distance above the bottom, and also at two positions 19 and 20 above the same in order to cause the bag to normally lie flat if of paper or stiff material when the whole structure is collapsed for packing and shipment. The flat side 22 has a broad strip of paper or fabric secured within the same for retaining the posts 10, 10 of handle 4 and preventing the rise of said handle by engaging against brace 24 when folding the structure together, while the other folded side has a relatively narrow strip 26, 26 retaining the posts 11, 11 of handle 5. The latter strip is spaced above brace 23 and allows the handle to slide upwardly along side 18 until bottom member 1 lies flat and handle 5 extends beyond 4 as shown in Fig. 3. The bottom member is retained in assembly with the bottom 21 of the bag by a bottom strip 25, causing the bottom to follow member 1 in position and movement. The operation of opening or locking the handles is exactly as before described also in this case, but here a bottle 30 may be placed in position on member 1 within the bag 31. When the handles are brought together to lock them, the braces 23 and 24 will tend to engage the bottle at or below its neck 29 and will necessitate slight bending of the handles generally to lock members 12 and 13, resulting in a more secure and rigidly locked assembly.

It is, of course manifest that no locking action can take place without the insertion of a bottle or other container first, and the latter therefore co-operates with the holder as a whole. It is also obvious that the skeleton of my holder may be used alone without any bag if desired, and may operate thus, the bag being principally for protection from soiling and for concealing the bottle from view.

Having now fully described my invention, I claim:—

1. A container holder and carrier including a bottom frame member, a pair of frame handles connected thereto at opposite edges of said member and having upper handle portions, a bag associated with said holder attached to one of said handles upon one side, means within said bag for retaining the same in assembly with said bottom frame member, and means for locking said handles when a container is placed in position upon said bottom frame member.

2. A container holder and carrier including a bottom frame member, a pair of spaced frame handles hinged to a pair of opposite edges of said bottom member and terminating in a pair of handle portions arranged to snap past each other into a locked relation when a container is placed in position upon said bottom member, and enveloping bag secured in association with said holder, and strips attached within the respectively opposite sides of said bag to retain said handles

in assembly therewith, there being means upon said handles arranged to co-operate with said strips to retain said bag upon said holder.

3. A container holder including a bottom frame and a pair of opposite handles connected thereto for suspending the same, an enveloping bag associated with said holder having interior strips engaging said handles in such manner as to retain both in assembly with the sides of the bag and holding one handle in fixed relation to its side while allowing the other handle to slide upward along its side when folding said holder together.

4. A holder of the character set forth, for carrying an article of given configuration such as a milk bottle, comprising a bottom supporting member, and side members independently pivoted to said bottom member, said side members being foldable into collapsed closely adjacent relation with respect to said bottom member, the upper ends of said side members constituting handle portions, said side members being resilient and being separated by said article when unstressed so that the handle portions are apart, and said handle portions being interengageable in snap-lock relation with the side members bearing against said article and bent and under stress whereby said article is carried in tightly clamped relation to the holder.

5. A holder of the character set forth, for carrying an article of given configuration such as a milk bottle, comprising a bottom supporting member, and side members independently pivoted to said bottom members on parallel axes, each of said side members comprising lateral upright members and connecting pieces at the upper ends thereof constituting handle portions and intermediate braces, said side members being foldable into collapsed closely adjacent relation with respect to said bottom member, said side members being resilient and being separated by said article when unstressed so that the handle portions are apart, and said handle portions being interengageable in snap-lock relation with the side members bearing against said article and bent and under stress whereby said article is carried in tightly clamped relation to the holder.

6. A holder of the character set forth, for carrying an article of given configuration such as a milk bottle, comprising a bottom supporting member, side members independently pivoted to said bottom member, said side members being foldable into collapsed closely adjacent relation with respect to said bottom member, the upper ends of said side members constituting handle portions, said side members being resilient and being separated by said article when unstressed so that the handle portions are apart, and said handle portions being interengageable in snap-

lock relation with the side members bearing
against said article and bent and under stress
whereby said article is carried in tightly
clamped relation to the holder, and a bag
5 mounted on said bottom and side members
and collapsible therewith.

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