Sept. 3, 1946. M. FOX 2,406,756

BEVERAGE BOTTLE CARRIER

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Fig. 1.

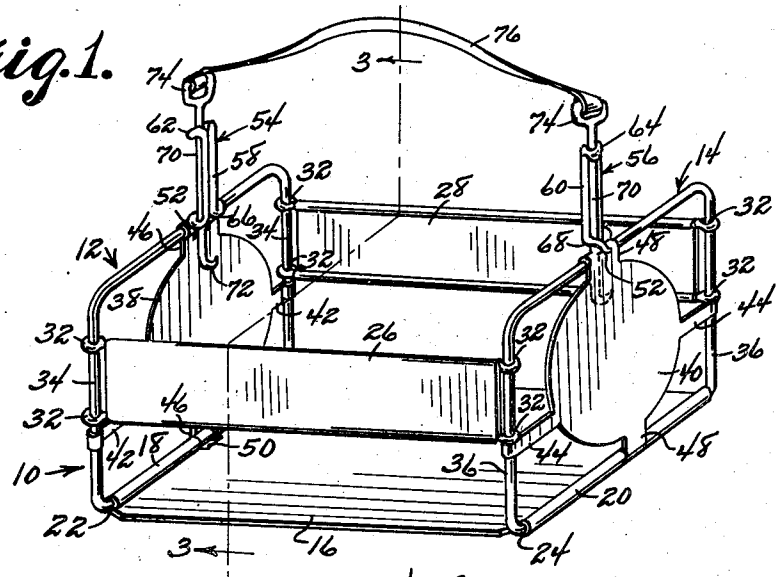


Fig. 2.

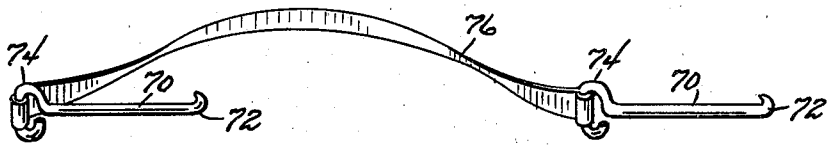
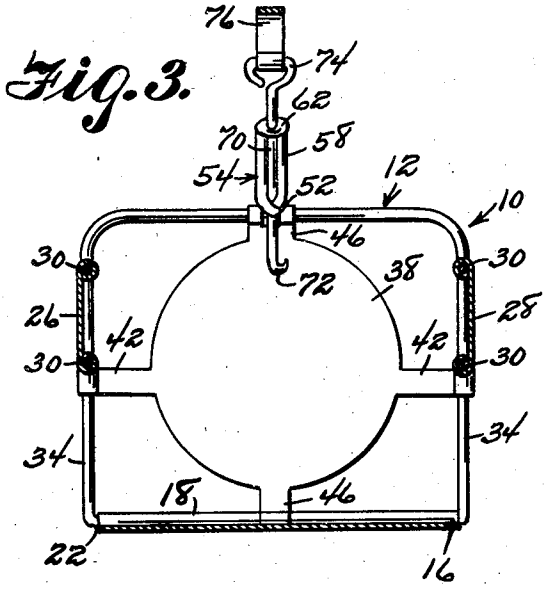


Fig. 3.



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BEVERAGE BOTTLE CARRIER

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2 Claims. (Cl. 224—48)

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This invention relates to a beverage bottle carrier which is designed to replace the carton carriers now in use.

An object of this invention is to provide a device that is light, strong, durable and can be folded into a flat compact position which is an important detail in shipping and storage thereof.

With this and other objects and advantages in view the invention consists of the novel details of construction arrangement and combination of parts more fully hereinafter described, claimed and illustrated in the accompanying drawing in which:

Figure 1 is a perspective view of an embodiment of the invention.

Figure 2 is a detailed view of the handle and,

Figure 3 is a sectional view on the line 3—3 of Figure 1.

Referring more in detail to the drawing the reference numeral 10, generally designates the beverage carrier in its entirety.

The carrier 10 comprises end frames 12 and 14, which are made of wire substantially square in shape with rounded corners. A bottom 16 made of sheet metal has its opposite ends rolled backward upon itself at 18 and 20 to attach the bottom 16 to the bases 22 and 24 of the frames 12 and 14. Sides 26 and 28 extend longitudinally of the carrier 10 and the sides thereof are rolled backward upon itself on wire members 30, which extend longitudinally of the carrier and are provided with looped ends 32, which are slidably mounted on the sides 34 and 36 of the frames 12 and 14.

Circular ends 38 and 40, having horizontally disposed diametrically opposed diverging arms 42, and 44 respectively and vertically disposed diametrically opposing diverging arms 46 and 48 are secured to the frames 12 and 14 by having the outer ends of the arms 42 and 44 rolled around the sides 34 and 36 of the frames. The lower arms 46 and 48 are rolled around the bases 22, and 24 of the frames and slots 50 at the medial point of the ends of the bottom 16 permit such action.

Slots 52 formed in the upper arms 46 and 48 permit these arms to encircle medial loops 54 and 56 formed in the tops of the frames, and be rolled around the top of the frames. The loops 54 and 56 have upwardly extending parallel sides 58 and 60, which are bent outwardly at the top and form handle supporting upper loops 62 and 64. In forming the loops 54 and 56 the loops are twisted and form lower handle supporting loops 66 and 68.

Wire handle supporting members 70 are slidably mounted in the handle supporting loops and

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the loops have just sufficient tension to retain the members 70 in any desired position. The members 70 are provided with hooked ends 72 to prevent removal thereof from the supporting loops and the ends form handle attaching loops 74, to which are attached the curved metal strap handle 76.

When the carrier 10 is to be collapsed the sides 26, 28 are slid upwardly to position on the top of the frames and the frame can then be pushed downwardly into folded position with the members 70 in a straight line the handle attached thereto can be folded flat as shown in Figure 2.

There is thus provided a device which will replace the carton carrier now in use. These carton carriers have proven very unsatisfactory since they usually wear out in one trip to the store. Therefore regardless of the low cost of production the cost of replacement is excessive. The time consumed in unfolding and folding the cartons and placing the bottles therein is also a handicap.

Therefore the present carrier which is made of metal will outlast several carton carriers. They can be easily folded and unfolded and advertising can be stamped or painted on the circular end piece.

While a preferred embodiment of the invention has been illustrated and described, it is to be understood that modifications and changes in its construction can be resorted to without departing from the spirit of the invention or the scope of the appended claims.

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

1. A device of the character described, comprising wire end frames substantially square shaped with rounded corners, a sheet metal bottom having its opposite ends rolled backward upon themselves in order to be attached to the bases of said frames, sheet metal sides having their opposite longitudinal edges rolled back upon themselves in order to be secured to longitudinally extending wire members, the ends of which are looped in order to be slidably mounted on the sides of said frames, loops formed in the tops of said frames for supporting handle attaching means and a curved metal strap handle attached to said means.

2. The invention as described in claim 1, wherein circular ends having vertically and horizontally disposed arms are connected to said frames by means of rolling the ends of said arms around said frames.

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