

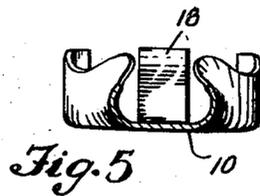
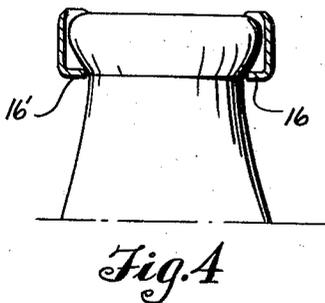
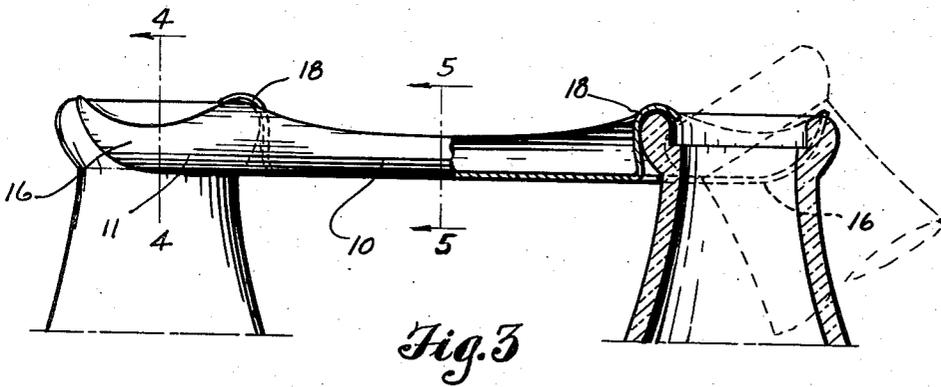
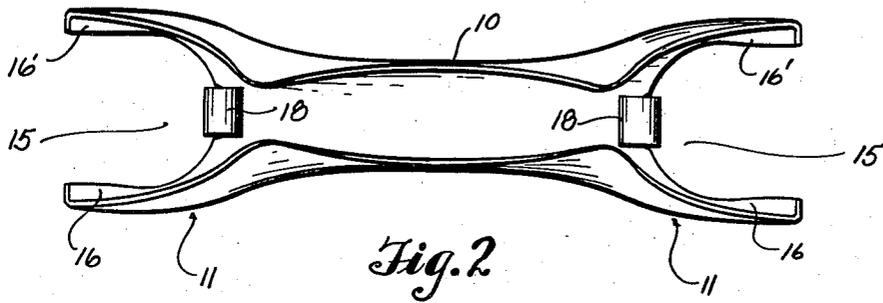
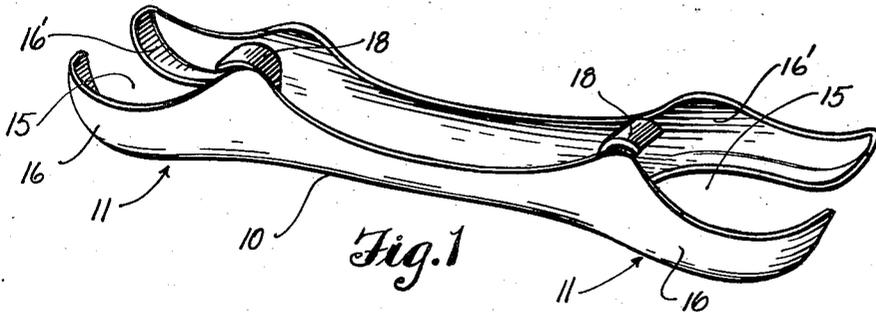
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W. J. LUTEY

2,440,902

MILK BOTTLE CARRIER

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INVENTOR.  
WILLIAM J. LUTEY  
BY  
*Cook & Robinson*  
ATTORNEYS

# UNITED STATES PATENT OFFICE

2,440,902

## MILK BOTTLE CARRIER

William J. Lutey, Seattle, Wash.

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2 Claims. (Cl. 224-45)

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This invention relates to improvements in bottle carriers, and it has reference more particularly to a device for the safe and convenient carrying of bottles of milk; it being the principal object of the invention to provide a carrier in the form of a rigid, one-piece handle member, equipped at opposite ends for the reception of the beaded neck portion of a milk bottle for the safe carrying of the bottle.

More specifically stated, the objects of the present invention reside in the provision of a milk bottle carrier which is formed from a single piece of sheet material such as sheet aluminum, and which has a smoothly rounded central hand grip portion and bottle holding portions at its opposite ends, each of the latter comprising horizontally spaced fingers defining a recess between them adapted to receive the neck portion of a bottle therebetween for the support of the bottle by the fingers engaging in contact with the lip of the bottle neck. Also, a device wherein the fingers are shaped to so engage the lip that a supported bottle will not be accidentally released from the recess.

Still further objects of the invention reside in the details of construction of specific parts of the device and the relationship of the parts as will hereinafter be fully described.

In accomplishing these and other objects of the invention, I have provided the improved details of construction, the preferred forms of which are illustrated in the accompanying drawings, wherein—

Fig. 1 is a perspective view of a bottle carrier embodied by the present invention.

Fig. 2 is a top view of the same.

Fig. 3 is a side view of the carrier device, shown partly in longitudinal section and illustrating the application of bottles thereto.

Fig. 4 is a section on the line 4—4 in Fig. 3.

Fig. 5 is a section on line 5—5 in Fig. 3.

Referring more in detail to the drawings—

The present carrying device, in its preferred form of construction, is made from a single piece of sheet material, preferably aluminum, that is first blanked out and then shaped to adapt it to its intended use.

As shown, the device comprises a substantially straight, rigid carrier member, formed with a central hand grip portion 10, and having bottle supporting portions 11 and 11 at its opposite ends. Each of the portions 11 comprises about one-fourth the total length of the carrier and the intermediate hand grip portion comprises the remaining portion.

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In the making of the carrier, the blank is first made. Then opposite side portions of the blank are bent upwardly, along a longitudinal center line, and inwardly toward each other to give the hand hold portion a smooth rounded outline of a size easily gripped in a hand of normal size; this shape being shown in Fig. 5. The opposite end portions of the blank are formed with round based recesses, 15—15, as shown best in Fig. 2. These recesses are defined between horizontally extending finger portions 16 and 16' and these recesses are of the exact width necessary to receive the neck portion of a milk bottle of standard size between them, as shown in Figs. 3 and 4, and to engage with the lip of the bottle, as will be understood by reference to Fig. 4, for support of the bottle. At the base of each recess is an upwardly extending finger 18 of hook-like form, adapted to extend over the top edge of the lip of the applied bottle. The outer end portions of the fingers 16 and 16' are upwardly and slightly inwardly curved, as in Fig. 3, and the metal of the side edges of the handle portion extends along these fingers and joins therewith in right angle flanges, best shown in Fig. 4.

To apply a bottle to the carrier device, the bottle neck is applied to a recess 15 upon bringing the bottle to the position relative thereto indicated by the dotted line showing of the bottle at the right-hand end of Fig. 3. Then, with the hook portion 18 at that end projecting over the lip of the bottle, the bottle is swung down to a vertical position, and in this movement, the neck is seated against the rounded base of the socket and the lip of the bottle neck is located within the flanged side portions of the fingers and supported by the fingers. The hook 18 prevents oscillation of the bottle while being carried.

Carriers of this kind are light in weight, easy to grip and will securely hold a bottle at each end. Bottles cannot slip out, but can be easily and readily removed by tipping the bottle or carrier to the relative positions of the handle and the dotted line showing of the bottle in Fig. 3.

Having thus described my invention, what I claim as new therein and desire to secure by Letters Patent is:

1. A carrier for bottles of the character described comprising a rigid hand grip portion formed at each of its opposite ends with a bottle holding portion; each of said bottle holding portions having a recess opening to the end thereof, defined by two horizontally spaced finger-like portions, joined in a rounded edge defining the base of the recess; said recess being designed to

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receive the neck portion of a bottle therein against said rounded base edge, and said fingers and base edge being designed to supportingly engage with the lip of the bottle neck for suspending the bottle in the carrier, said finger-like portions being upwardly and slightly inwardly curved to engage the lip to prevent the bottle slipping outwardly from the recess and an upwardly extending hook forming portion at the base of each recess for engaging over the lip of the bottle as applied to the recess.

2. A bottle carrier of the character described formed from a single sheet of metal bent to form a rounded hand grip portion and formed with a bottle holding head at opposite ends; said heads each having a recess opening to the end of the hand grip portion and defined between two horizontally spaced finger-like portions joined in a semi-circular edge defining the base edge of the recess; said recess being designed to receive the neck portion of a bottle therein against said rounded base edge, said fingers and base edge being designed to supportingly engage against the

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under side of the lip of the bottle neck for the suspending of the bottle in the carrier; each finger being turned upwardly and inwardly to engage the bottle lip to prevent the outward slipping of a bottle from the recess and there being an upwardly directed hook portion at the base of each recess to engage over the lip of the bottle as applied to the recess.

WILLIAM J. LUTEY.

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