Feb. 24, 1948. L. S. BAIER 2,436,501

BOTTLE CARRIER

Filed May 3, 1946

Fig. 1.

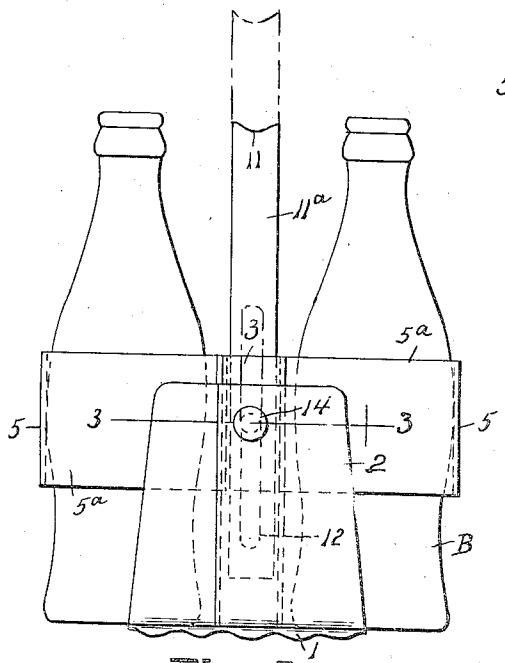


Fig. 2.

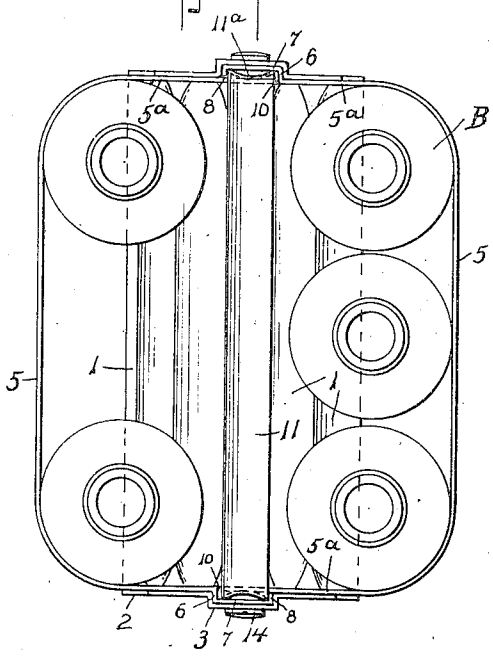


Fig. 3.

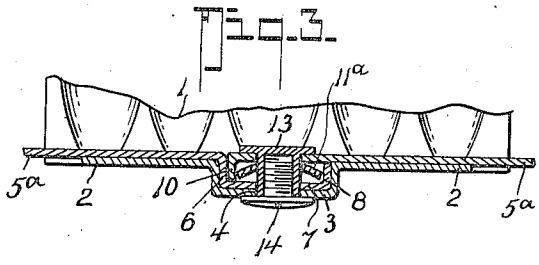


Fig. 4.

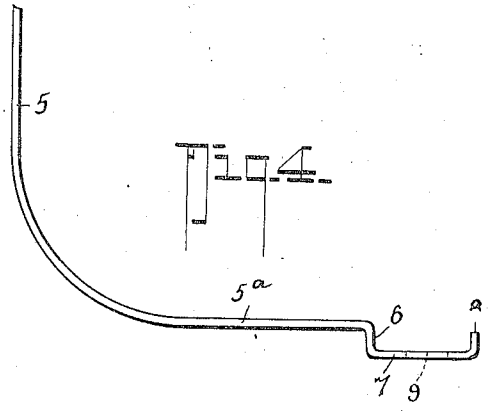


Fig. 5.

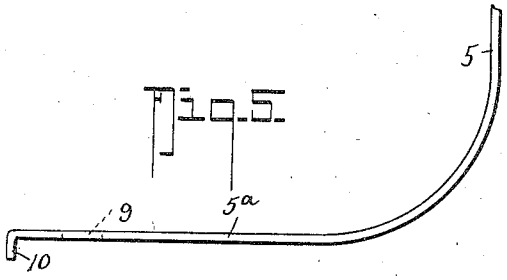
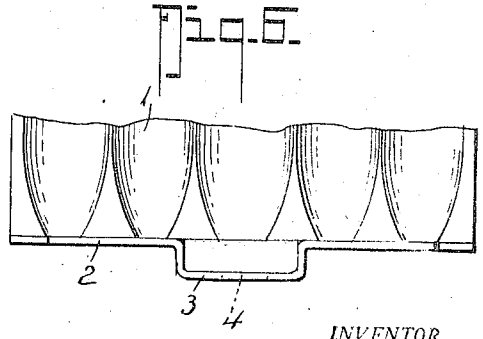


Fig. 6.



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BOTTLE CARRIER

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Application May 3, 1946, Serial No. 666,863

5 Claims. (Cl. 224—48)

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My invention has for an object to provide a simple, inexpensive, carrier for pop bottles and the like, which is so constructed that it may be shipped knocked-down and assembled at the bottling plant.

Other objects will in part be obvious and in part will be pointed out hereinafter.

To the attainment of the aforesaid objects and ends invention resides in the novel details of construction, combinations, and arrangements of parts all of which will first be described in detail and then be specifically pointed out in the appended claims, reference being had to the accompanying drawing in which:

Fig. 1 is an end view of my invention in use, the handle being shown in position for shipment or storage of filled carriers, in full lines, and in carrying position in dotted and dash lines.

Fig. 2 is a top plan view of the same.

Fig. 3 is an enlarged detail horizontal section on the line 3—3 of Fig. 1.

Fig. 4 is a detail plan view of a portion of one side member on the scale of Fig. 3.

Fig. 5 is a detail plan view of a portion of the other side member on the scale of Fig. 3.

Fig. 6 is a detail plan view of a portion of the bottom member on the scale of Fig. 3.

In the drawing in which like numerals of reference indicate like parts in all the figures, 1 represents a corrugated sheet metal bottom having upstanding sides or ends 2 flat save for vertical grooves 3. The grooves 3 receive the ends of side members 5 and have bolt or rivet holes 4.

Each side member 5 has end portions 5a, one of which is provided with an outwardly bent part 6, an offset part 7 and a bent back edge 8, the part 7 having a bolt or rivet hole 9. The other end portion 5a has an outwardly bent edge 10 and a bolt hole 9. The parts 6, 7 and 8 of each side member form a channel which fits within the groove 3 as best shown in Fig. 3. The part 10 of the other side member fits within the channel against the part 6 and lies over the edge of the part 8 leaving a space between the parts 5a and 7 into which the concavo-convex leg 11a of the handle 11 has a sliding fit by virtue of the slot 12 in said leg.

Suitable fasteners pass through the holes 9 and slot 12. Such fasteners may be rivets or bolts. As shown the fasteners are each composed of an internally threaded flanged shank 13 and a cap screw 14 threaded into the member 13.

When packed for shipment, about forty bottoms, forty handles and forty pairs of sides can be packed in a box of about 886 cu. in. capacity,

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thus greatly reducing shipping expense from factory to user.

The trade-mark or trade-name of the user may be stamped, embossed on the side pieces 5 and the stampings may be colored if desired.

From the foregoing description taken with the accompanying drawing it is thought the construction, and advantages of the invention will be clear to those skilled in the art.

What I claim is:

1. A bottle carrier comprising a bottom plate with upstanding ends, said ends having vertical grooves; side plates having bent-over parts one of which bent-over parts of each side plate being vertically grooved to fit into the vertical grooves of said upstanding ends, the other bent-over part of each side plate having a bent-over end edge to fit within the vertical groove of the first bent-over part of the side plates and providing therewith a vertical channel; a handle member having legs projected into said channels, said legs being provided with longitudinal slots and said bent-over parts of said side plates and said upstanding ends having bolt holes aligning with one another; and suitable fasteners secured through said holes.

2. A carrier according to claim 1 wherein the handle legs are concavo-convex in cross section.

3. A carrier according to claim 1 wherein said bottom plate is corrugated longitudinally.

4. A knock-down bottle carrier comprising a bottom plate and upstanding end plates; side plates having bent over end portions, the adjacent end portions of the respective side plates overlapping one another; means for securing said overlapped end portion rigidly to said upstanding end plates; and a handle member having legs secured to said end plates by said securing means, said legs being located between said overlapped end portions.

5. A bottle-carrier according to claim 4 wherein said legs are slotted to permit said handle to be raised and lowered while secured in place.

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