

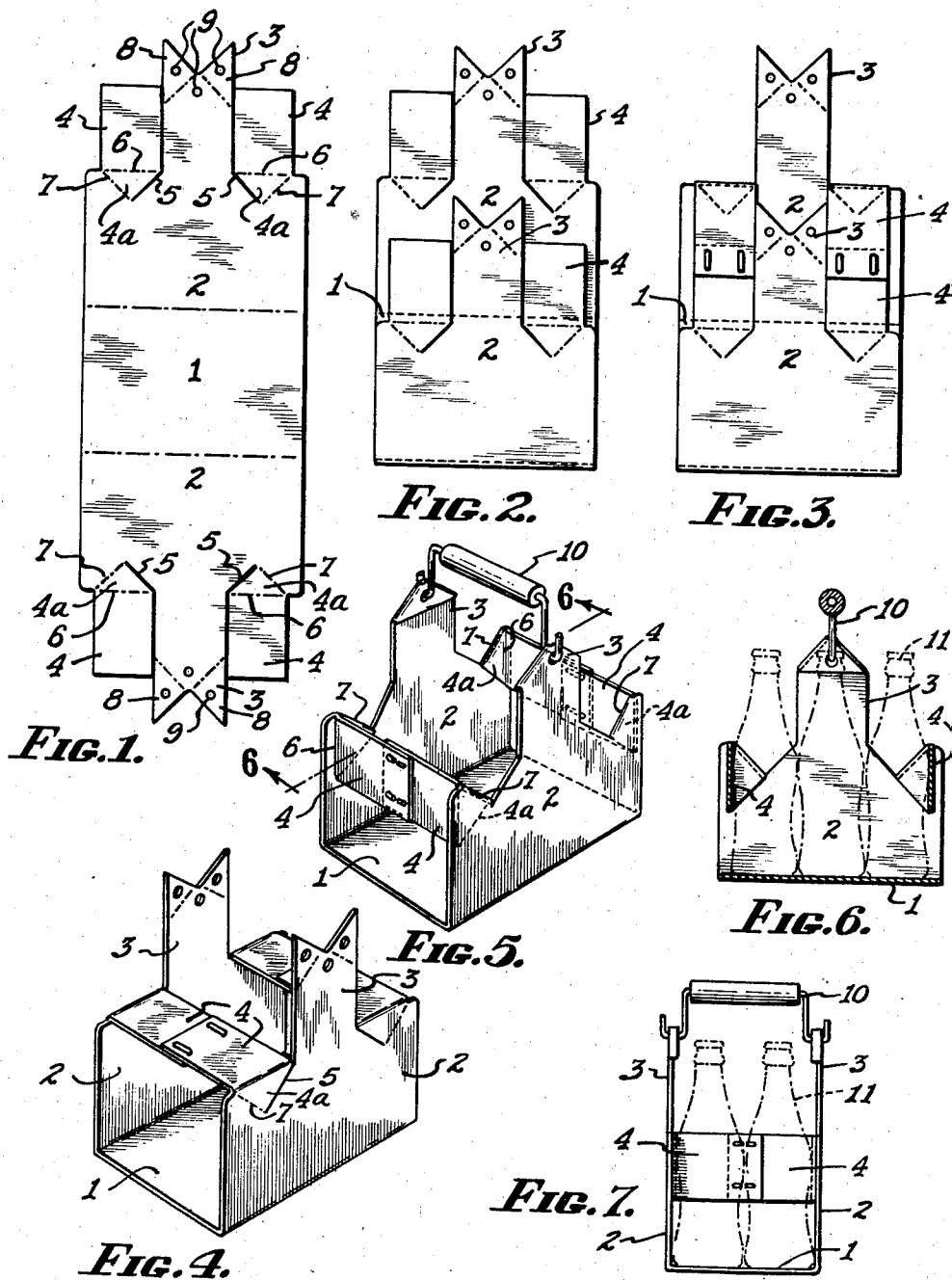
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BOTTLE CARRIER

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BOTTLE CARRIER

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4 Claims. (Cl. 224-45)

My invention relates to bottle carriers which in general structural relationship consist of a base, two side walls, end straps to prevent lateral movement of bottles held by the side walls in position on the base, together with some kind of a handle arrangement.

The particular improvement in the present structure has to do with the provision of end straps of a simple form, which are articulated to the side walls only of the carrier and can be formed and connected together during the construction of the carrier in the flat, and readily set up during the act of erecting the carrier. The essence of the invention lies in connecting the end strap portions proper to the side walls of the carton by means of integral triangular portions, defined by score lines.

I accomplish my objects by that certain construction and arrangement of parts to be hereinafter more specifically pointed out with reference to a specific example and the novelty of which is set forth in the claims that follow, to which reference is here made for expressing the invention in the described example thereof.

In the drawing

Figure 1 is a plan view of a blank showing the original cutting and scoring.

Fig. 2 is a plan view showing the blank folded on one of the score lines for the base thereof.

Fig. 3 illustrates the next stage of the operation wherein the ends of the tongues forming the end straps are stitched together.

Fig. 4 is a perspective of the erected blank preparatory to insertion of a handle.

Fig. 5 shows the same parts with the handle inserted and the end straps set up.

Fig. 6 shows a side view of the completed article with bottles indicated in place.

Fig. 7 is an end view of the parts shown in Fig. 6.

The blank has a base portion 1, and side wall portions 2, 2, defined from each other by score lines, shown in dotted form. Projections 3, 3, from the side walls form handle receiving portions. Tabs 4 also project from the edges of the side wall portions in such a way as to form the end strap members. It will be noted that triangular portions 4a, 4a, are formed by the line of severance 5, the score line 6 and the score line 7, with respect to each of the end strap portions.

As shown in Fig. 2, the blank so formed is folded on one of the base score lines, whereupon as shown in Fig. 3 the two upper end flap portions are bent down and stitched to the other two end flap portions, thus forming straps formed of

tongues connected at their projected ends to each other and connected to the side walls by triangular portions.

The terminations on the projections 3, in the form of turn-over tabs 8, which lap each other and form a three thickness end to these projections, is not of my invention. Any sort of reinforcement of the ends of the projections will serve my purpose, however, since this is not a part of the novelty herein. As shown, the projections and the pair of tabs 8 are punched with holes 9, which when the tabs are turned over come into line with each other. A handle 10 of any desired type is then thrust through the holes.

Since the end strap portions are articulated to the side walls by triangular portions, as described it is a simple operation to seize the said portions in the fingers, after the blank has been erected as shown in Fig. 4, and turning inwardly to bring said straps to the position shown in Fig. 5.

Bottles, as indicated at 11, may be inserted into the carrier when erected, and thereafter the handle inserted.

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

1. In a bottle carrier or similar structure formed from a boxboard blank, a bottom wall, a side wall articulated to each side edge of the bottom wall, a handle receiving portion integral with and forming a central extension on each of the said side walls, a tongue lying on each side of each handle receiving portion, said tongues being articulated to the respective side walls along diagonal score lines and separated from said handle receiving portions, each side wall further having a diagonal cut therein joined to the corresponding one of said diagonal score lines, the said cut line and the said score line joining a transverse score line in each of said tongues, the tongues joined to one side wall being inwardly bent on said transverse score lines and attached to the respective tongues joined to the other side wall whereby to form a tubular structure capable of erection, the said diagonal cuts and diagonal score lines enabling the joined tongues to be turned down oppositely into substantially vertical planes whereby to provide end walls for the structure located adjacent the ends of the said side walls.

2. The structure claimed in claim 1 wherein said handle receiving portions have triangular, articulated parts at their ends capable of being folded over to form end reinforcements, said handle receiving portions and said triangular re-

inforcements being perforated with mating perforations for the attachment of a handle.

3. A bottle carrier comprising a blank having means to form a side wall, a base and a side wall in the order named, upper portions of said side walls being cut to provide each a central, up-
standing, handle receiving portion and a pair of
tongues, one lying on each side of the handle
receiving portion, said tongues each being articu-
lated to the side walls by score lines diagonal to
the lateral edges of the side walls, there being
lines of cut extending diagonally downward from
inner edges of said tongues and meeting said di-
agonal score lines, said tongues also being scored
parallel to the lines of articulation of said side
walls to said base, and being of a length to con-

nect with the respective opposite tongues across
between the side walls and thereby be attached
together in pairs at their ends, whereby each pair
of the joined tongues may be turned downwardly
and outwardly to occupy a substantially vertical
plane so as to form an end wall connecting said
side walls substantially at each end thereof.

4. The structure claimed in claim 3 wherein
said upstanding handle receiving portions have
means for the attachment of a handle bridging
across between them, and including parts of said
upstanding handle receiving portions foldable
along score lines diagonal to the vertical to pro-
vide a reinforcement at the upper ends of said
handle reinforcing portions.

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