July 24, 1934. N. H. BUSCHMAN 1,967,285

BOTTLE CARRIER OR CARTON

Filed Nov. 12, 1932

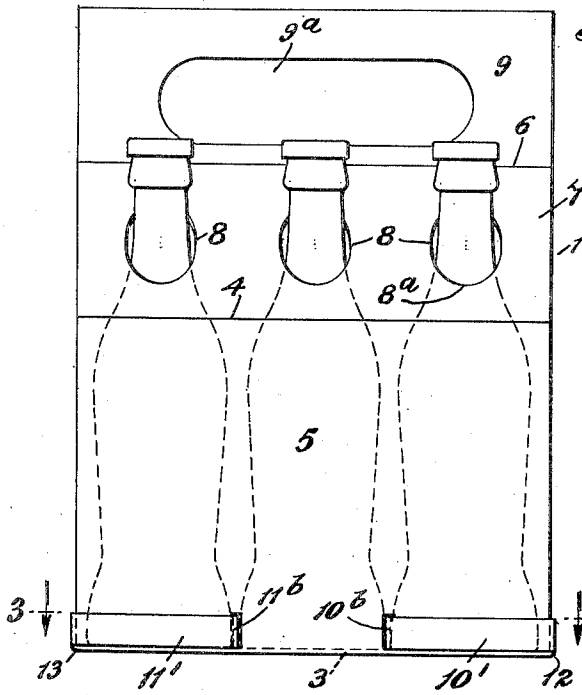


Fig. 1

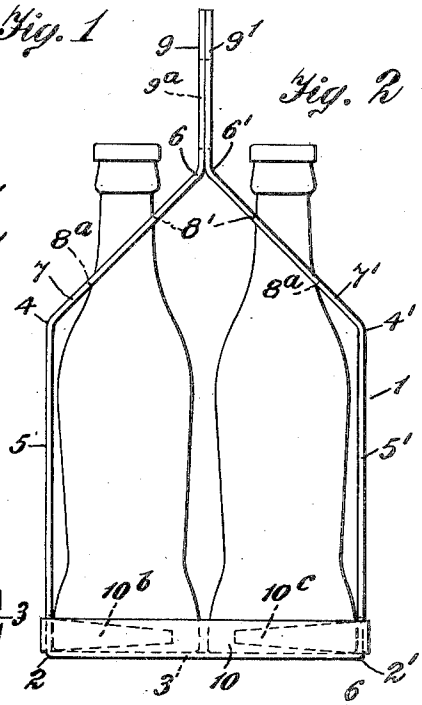


Fig. 2

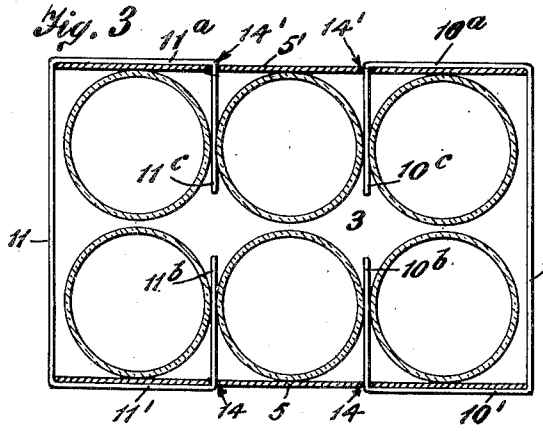


Fig. 3

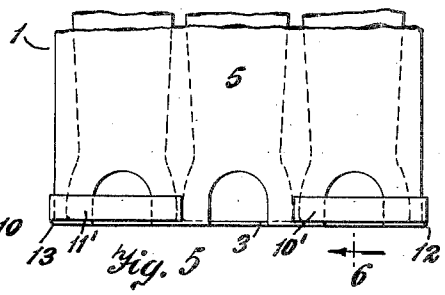


Fig. 5

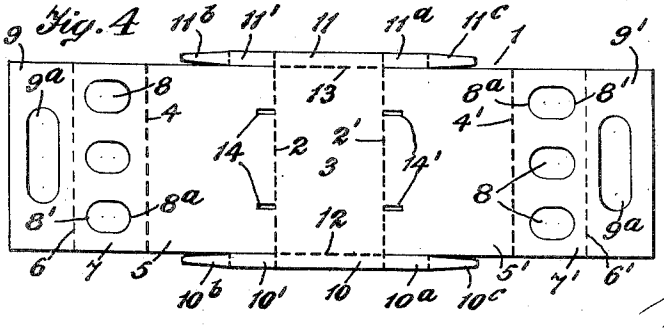


Fig. 4

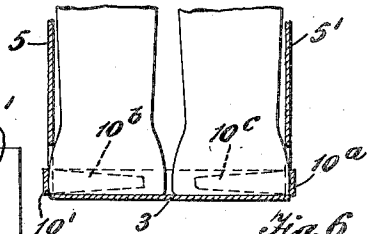


Fig. 6

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BOTTLE CARRIER OR CARTON

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Application November 12, 1932, Serial No. 642,363

2 Claims. (Cl. 224—45)

This invention relates to improvements in bottle-carriers or cartons.

This invention comprises an improvement upon the bottle-carrier or carton described in the pending application of Claude D. Keith, Serial Number 634,386, filed September 22, 1932, wherein there is shown a display carrier or carton for bottles having open sides and composed of a single substantially-oblong strip of creasable material such as pasteboard or paper, which is creased and bent between its ends to produce a bottle displaying carton including a bottom, front and rear walls connected to the said bottom, inwardly-inclined bottle-neck-engaging members having apertures through which bottles are adapted to project, and terminal handle-flanges or flaps which in the closed or erected position of a double-row carton are brought into abutment either between two rows of projecting bottles, or in a single row carton, are brought into abutment at one side of the projecting bottles, and the object of the present invention is to provide at the bottom of the open sides rim strips which will serve to prevent shifting of the bases of the end bottles through the open sides while still displaying the bottles through such sides.

Still another object of my invention is to utilize fastening means for such rim strips which in addition to their fastening function will serve as dividing partitions between the bottles within the carton.

Still another object of my invention is to utilize a strip integral with the material of the carton, and preferably integrally-connected with the bottom portion thereof to serve as partitions for separating the bottles within the carton.

Still another object of my invention is to connect integrally with opposite edges of the bottom or base of the carton, strips adapted, in the erection of the carton, to be turned up at right angles to the bottom so as to provide bottom rim strips which, when securely fastened, will cause the bottom of the carton to assume the form of a tray, thus providing base-holding members capable of cooperating with the neck-engaging members in preventing shifting of the bottles outwardly through the open ends of the carton, and/or reinforcing other base-holding means such as base apertures in the front and back walls.

Still another object of my invention is to combine integrally with bottom rim strips of the character described, elongated and severed free ends adapted to cooperate with slots in the front and back of the carton to serve as fastening means for the bottom strips, and also to provide internal partitions extending transversely of the rows of bottles and between individual bottles in said rows within the carton.

Still another object of my invention is to provide an open-side display carton of the character described having bottom rim strips which will not only serve as retaining members for the bottom edges or bases of the bottles to prevent the same from shifting movement through the open ends while at the same time permitting display of the bottled goods within the carton, will function to hold or assist in holding or retaining the carton and bottles therein in upright position, when the same is erected.

With these and other objects in view, the invention comprises the combination of members and arrangement of parts so combined as to co-act and cooperate with each other in the performance of the functions and the accomplishment of the results herein contemplated, and comprises in one of its adaptions the species or preferred form illustrated in the accompanying drawing, in which:—

Fig. 1 is a front or rear elevation of a carrier or carton for a double-row of bottles embodying my invention.

Fig. 2 is a side or end elevation of the bottle-carrier shown in Fig. 1;

Fig. 3 is a section on the line 3—3 of Fig. 1, looking in the direction of the arrows;

Fig. 4 is a view in plan of a strip of pasteboard cut and creased to permit erection of a carton embodying my invention and suitable for a double row of bottles, such as shown in Figs. 1 and 2;

Fig. 5 is a fragmentary view in front or rear elevation of a modified form of my invention, showing the lower end of a double-row carton embodying my invention;

Fig. 6 is a section on the line 6—6 of Fig. 5, looking in the direction of the arrows;

Referring now to Figs. 1 to 4 of the drawing, 1 (Fig. 4) indicates a strip of creasable material of substantially oblong conformation suitable for erection into a bottle-displaying carrier or carton for a double row of bottles and preferably is composed of pasteboard or reinforced paper.

The strip 1 is provided on its inner surface at its middle portion with parallel creases 2—2' adapted, when the material is bent at right angles along the same to provide a bottom 3 for the carton, and front and back sections 5—5' having hinge or foldable connections therewith and bendable at right angles to the bottom sec-

tion, thus jointly forming, what I shall term, the body of the carton.

The said strip 1 is, in the form illustrated, provided also on the inner surface at opposite sides of the bottom creases 2—2' with parallel creases 4—4'. These creases are preferably so positioned as to limit the length of the back and front sections 5—5' to a height less than the height of the bottle to be carried and preferably to a height extending to a point below the neck of the bottle. These creases also serve to provide a hinged or foldable connection between the walls or body of the carton and neck-engaging members or sections 7—7' bendable again in the same direction and in the form illustrated being bent in an inclined plane relative to the back and front sections. The widths of the members or sections 7—7' will be determined by parallel creases 6—6' depressed in the opposite or external surface of the strip.

The neck-engaging members 7—7' each preferably have elliptical longitudinal-extending-bottle-insertion apertures 8 through which the tops of the bottles are adapted to be projected and the upper and lower edges 8'—8[a] of each of these apertures are adapted to abut against opposite sides of the bottle.

Connected or applied to the top of each of the neck-engaging sections 7—7' are handle flanges or flaps 9—9' which are adapted to extend vertically and to abut against each other between the two rows of bottles, and these abutting flaps or handle flanges are preferably provided with registering hand-holes 9[a] formed through both of such flaps or handle flanges to permit ready gripping and carrying of the carrier.

In accordance with this invention, the bottom 3 of the carton has connected therewith laterally extending strips 10—11 connected to said bottom at the side edges or ends thereof and being delineable from the bottom proper and bendable in relation thereto by creases 12—13. These bottom strips are thus bendable upwardly to provide a rim-strip for the bottom edges of the carton which will, when suitably fastened in erected position, prevent the bottoms or bases of the bottles from shifting sidewise through the open ends of display cartons of the type specified, and will thus not only serve to hold the bottles within the carton, but will permit full display of the goods within the same and also assist in retaining a carton of the type specified in erect or upright position.

In the preferred embodiment of my invention illustrated, I provide each of the bottom rim strips 10—11 with severed or free projections 10'—10[a] and 11'—11[a] which extend in the planes of the rim strips 10—11. Each of these free projections, in addition to serving as fastening members for the rim strips, also serve as partitions which extend within the carton and separate the bottles from each other. Thus said free projections have attached thereto tongues 10[b]—10[c] and 11[b]—11[c] which extend within the carton to provide partitions or insertion extensions for separating the bases of the bottles from each other as more particularly shown in Fig. 3, the portions of said projecting members between the said tongues and the rim strips 10 and 11 serving as bridging elements having a width equal to the diameter of a bottle, so that upon bending the tongue portion in relation to the bridging portion, I am enabled to insert the said tongues through properly positioned pairs of slots 14—14' formed in the back and front respectively of the cartons so that said tongue partitions will extend tangentially to the perimeters of a pair of abutting or adjacent bottles within the carton, thus separating the said bottles from each other and preventing contact, clashing or marring of such bottles during carrying of the same within the carton.

In Figs. 1 to 4, I have shown an embodiment of my invention in which the bottom rim-strips and projections cooperate with the neck-engaging members and without additional means at the base of the bottles, to hold the bottoms of the bottles within the carton, and in Figs. 5 and 6, I have shown another form of my invention in which the bases of the bottles are first locked in position in the manner shown in said former application of Claude D. Keith, by base apertures in the front and back portions of the carton, and my rim strips and projections are employed in addition to and in combination with such base-locking apertures to assist in holding the bottles in place within the carton and also to perform the function of separating or dividing partitions, as well as providing means for assisting in holding the carton in upright position when erected and avoiding the tendency of the carton either in filled or unfilled condition, to fall into flattened condition.

Having described my invention, I claim:—

1. A bottle-carrying display carton comprising a substantially-oblong piece of flexible material having parallel side edges and provided with creases arranged transversely of said piece to provide, upon erection of the carton, a bottom portion, front and back wall portions, bottle-neck-engaging portions and handle portions of a bottle-carrying display carton having open sides, said bottom portion also having relatively narrow lateral extensions bendable at right angles to said bottom portion along longitudinal creases disposed between said bottom portion and said lateral extensions, and longitudinal extensions projecting from the opposite ends of said lateral extensions and bendable at right angles thereto, for fastening the same to the back and front portions of the carton to provide relatively narrow-rim strips at the open sides of said carton.

2. A bottle-carrying display carton, comprising a substantially oblong piece of flexible material having parallel side edges and provided with creases arranged transversely of said piece to provide, upon erection, a carton bottom portion, front and back wall portions, bottle-neck-engaging portions and handle portions of a bottle-carrying display carton having open sides, said bottom portion also having lateral rim-strip extensions bendable at right angles to said bottom along longitudinal creases disposed between said bottom portion and said lateral extensions, each of said laterally-extending rim strip extensions having at each end free longitudinal projections, each comprising a bridging portion corresponding in length to the diameter of a bottle and insertion tongues connected to such bridging portions and the front and back walls of the carton having slots through which such tongues are extended to form short dividing partitions between the bottom portions of adjacent bottles within the carton.

NATHAN H. BUSCHMAN.