

Aug. 7, 1934.

A. H. CUBBERLEY

1,968,877

BOTTLE CARRIER

Filed July 13, 1931

2 Sheets-Sheet 1

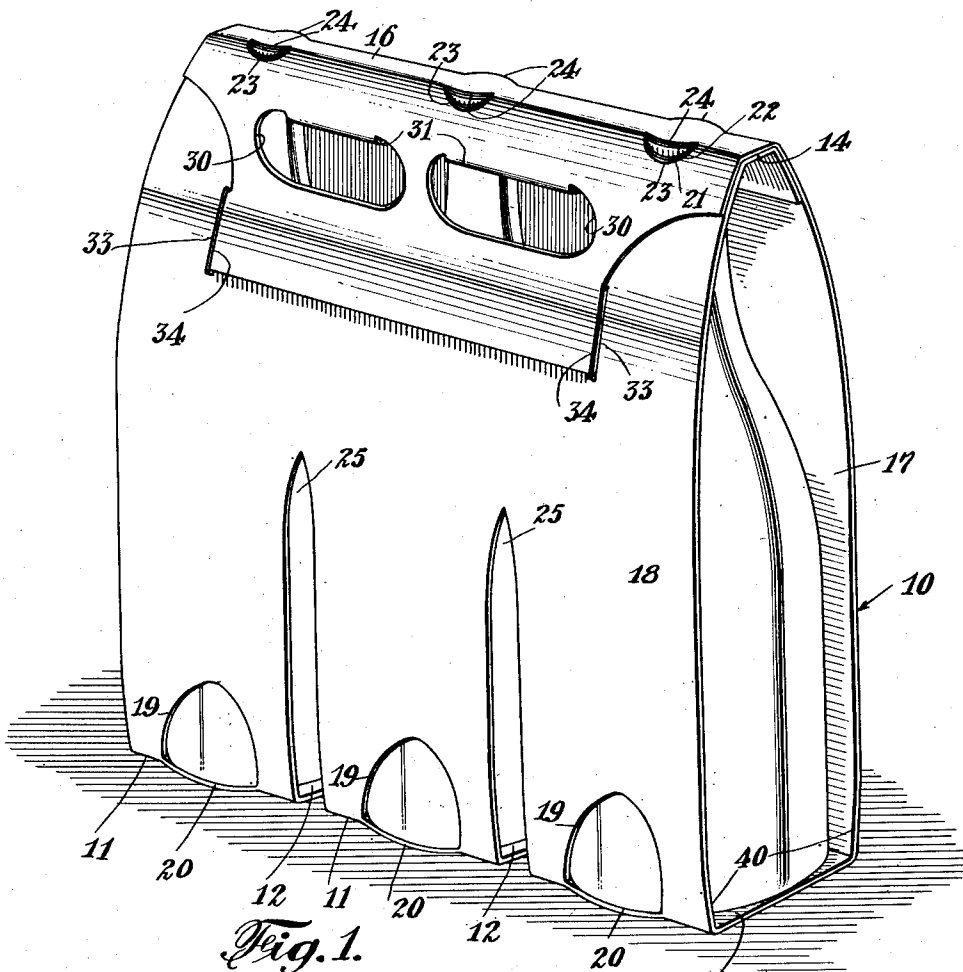


Fig. 1.

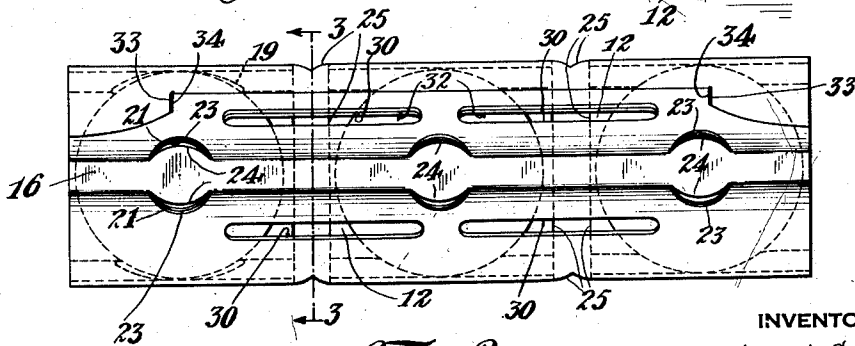


Fig. 2.

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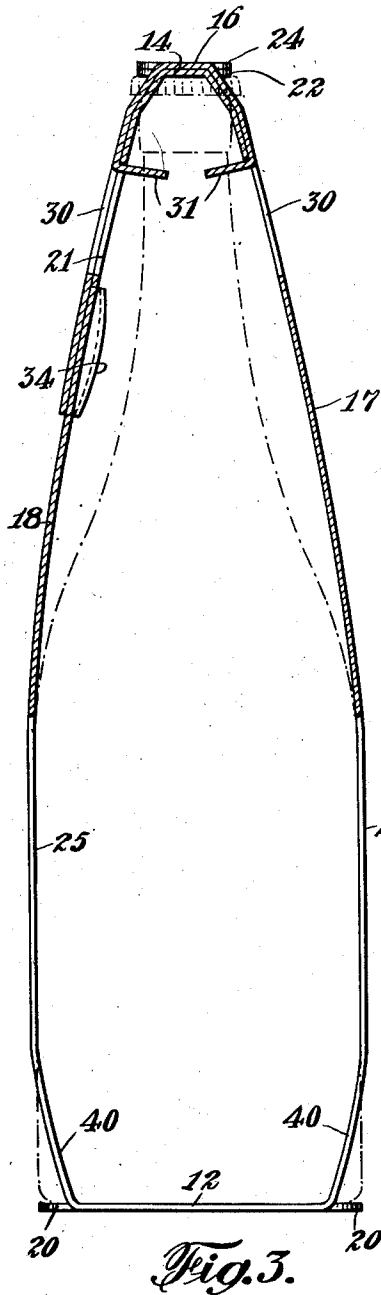


Fig. 3.

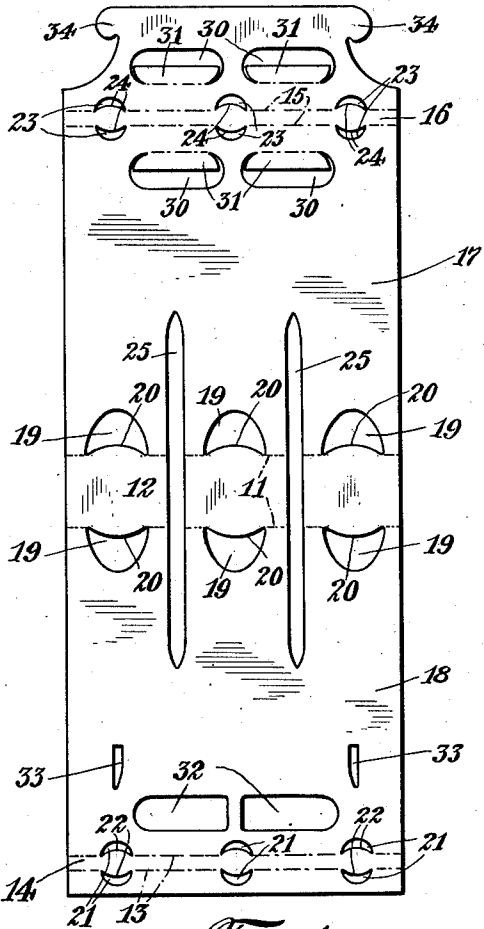


Fig. 4.

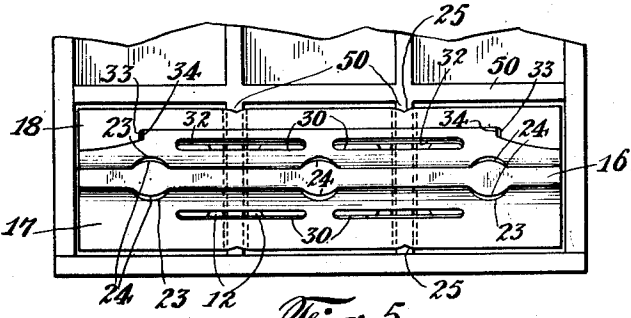


Fig. 5.

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BOTTLE CARRIER

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a corporation of New Jersey

Application July 13, 1931, Serial No. 550,302

19 Claims. (Cl. 224—45)

This invention relates to carriers and more particularly to carriers for holding beverage bottles and the like.

present invention will become apparent by reference to the following detailed description read in the light of the accompanying drawings, wherein

5 An object of the present invention is to provide a bottle carrier of simple construction, inexpensive to manufacture, which will substantially completely enclose bottles and like articles to protect them from dust, sunlight and possible damage.

Figure 1 is a perspective view showing a form 60 of the invention with bottles positioned therein and ready for use;

10 A further object of the invention is to provide a bottle carrier of the type described of such construction as to substantially lock a bottle therein against shifting.

Figure 2 is a plan view of the device illustrated in Figure 1 showing the position of the bottles 65 therein;

Another object of the invention is to provide a 15 bottle carrier in accordance with the foregoing of such construction that the same with its contents may be placed in bottle crates of conventional type.

Figure 3 is an enlarged section taken substantially on the lines 3—3 of Figure 2;

20 The foregoing objects and others are accomplished by making a bottle carrier from a single sheet of cardboard, composition board, or similar material, which sheet is so formed as to provide a base for the bottle, within which base bottles are locked against shifting and to provide a top for 25 the bottles, which top is also so constructed as to prevent shifting of the tops of the bottles. In order that these features can be accomplished the mid-portion or bottom of the carrier has sides extending upwardly therefrom, the distance 30 between the parallel lines of folding of the bottom and sides being a slight amount less than the diameter of the bottom of the bottles to be carried therein. The respective sides of the carrier, near the bottom thereof, are cut away and the 35 bottom portion is provided with arcuate shaped tabs extending through these cutaway portions to conform to the shape of the bottle bottoms.

Figure 4 is a view on reduced scale of a blank cut and scored for folding into the complete carrier, and 70

40 The upper extremities of the sides are so folded as to fold over the tops of the bottles and the construction of these extremities is similar to that described in connection with the arrangement for positioning the bottoms of the bottles on a smaller scale to fit the tops or crowns of the bottles. One side however extends a considerable 45 distance over and on top of the other side to which it is locked by means of tabs inserted into slots in the under member. Hand grips are provided in the sides near the top of the carrier by cutting out openings in opposite parts of the carrier and by folding the material cut out inwardly. 50 These folded portions likewise serve to separate the necks of the various bottles and also to aid in preventing shifting of the bottles within the container.

Figure 5 is a plan view of the carrier together with a part of a conventional bottle case within which the carrier and its contents may be positioned.

55 Other features, objects and advantages of the

Referring now to the drawings, 10 indicates 75 generally the carrier made preferably from a single sheet of material such as cardboard of substantial strength, composition board, etc. This carrier as shown in Figure 4 may be constructed from a single sheet of material, which sheet is 80 scored in one instance along the lines 11 to separate an intermediate portion 12 into what will serve as the bottom of the container; and along the lines 13 which separate a portion 14 serving as a part of the top of the container; and also 85 along the lines 15 separating a portion 16 which cooperates with the portion 14 in forming the top of the container. Adjacent the intermediate portion 12 the side parts 17 and 18 respectively have 90 similar parts 19 cut away as shown to leave substantially arcuate shaped tabs 20 extending from the intermediate portion 12. Portions 21 are cut away from the blank adjacent the top part 14 in such a manner as to leave substantially arcuate 95 shaped tabs 22 extending from the top portion 14. Similar parts 23 are cut away adjacent the top part 16 to leave tabs 24 extending from the top part 16. Slots 25, the purpose of which will be explained hereinafter, are cut in the blank extending across the bottom 12 and a substantial 100 distance of each side part 17 and 18.

For the purpose of providing openings for conveniently handling the carrier, openings 30 are provided in one end of the blank by cutting a part 105 of the material away and by bending tabs 31 inwardly about the scored lines indicated by dot, dash markings. The other end of the blank is provided with a pair of openings 32 from which the material has been completely removed. This 110 same end of the blank also has a pair of openings

33 into which may be inserted tabs 34 provided at the opposite end of the blank.

Blank scored and cut as shown in Figure 4 may be assembled by first folding along the lines 11 to form the bottom of the same, due to which folding the sides 17 and 18 may be caused to extend upwardly therefrom. With bottles resting on the bottom 12 with their bottoms fitting the arcuate shaped tabs 20 the blank is bent around as shown in Figure 3 with the top portion 14 resting directly upon the tops or the caps of the bottles, with the arcuate shaped tabs 22 fitting the tops or caps of the bottles, and with the end of the side 18 lapping slightly over the tops of the bottles. The other section of the blank is then bent in a corresponding manner to cause the top 16 to rest directly over top 14, with the arcuate shaped tabs 24 fitting over the tabs 22, after which the remainder of this part of the blank is lapped over the side 18 and the tabs 34 introduced into slots 33. Tabs 31 are then folded inwardly as shown in Figure 3 with their extremities resting against the necks of the bottles to aid in holding them in place.

As will be seen from the drawings, the fold lines 11 are spaced apart a distance slightly less than the diameter of the bottom of the bottles to be placed therein, with the result that upon assembly of the carrier with bottles therein the sides assume a pronounced slant as at 40 in Fig. 13, and a slight amount of the periphery of the bottle extends through the slots 19, as result of which the bottom of the bottle is held substantially against shifting in any direction. Support for the entire bottom of the bottle however is provided by the arcuate shaped tabs 20. The same is true with respect to the top of the bottles for, as shown, the fold lines 13 and 15 are spaced apart a distance slightly less than the diameter of the caps or tops of the bottles so that these caps or tops extend through the openings provided by the respective slots 21 and 23 with the sides of the carrier bending in to hold the caps or tops against movement. The tabs 22 and 24 however are of such shape as to substantially completely cover the caps or tops of the bottles to save them from injury. Of course, the top part 16 must be of slightly greater width than the top part 14 so that it may be folded completely thereover.

When the carrier has been assembled as shown it contains three bottles, the side surfaces of which are spaced apart a distance slightly greater than the width of the slots 25, which slots 25 are of sufficient width to permit the carrier with its contents to be placed in a bottle crate of conventional character, having partitions 50, Fig. 5, dividing the crate into compartments. The container may be placed in a crate by positioning the slots so as to fit over the respective partitions 50. When so positioned, the bottles in their containers may be handled in the usual fashion.

From the foregoing it will be seen that the present invention provides an arrangement whereby bottles may be arranged in a carrier designed to handle any convenient number of bottles as conditions of trade may warrant, such carriers being so constructed as to hold bottles therewithin substantially against any shifting of the bottles. Furthermore, the carriers can be carried manually with convenience, since the respective tabs 31 when folded inwardly serve in conjunction with the openings 30 and 32 to provide cushioning hand holds for the carrier.

When the carriers with their contents have been placed in the crates of conventional type, there is substantially no chance of the bottles

being rubbed against the sides of the compartments in the crate to mutilate labels, since they are held against movement by the carriers themselves. Furthermore, the double thickness of material on top of the caps prevents scarring of the caps and will even prevent to a large extent removal or loosening of the caps inadvertently due to the piling of crates and contents one upon the other. The carriers moreover protect the bottles against dust and sunlight, which latter is sometimes injurious to bottle contents of various types. As an added advantage, the carriers reduce the likelihood of damage due to flying glass should the bottles become broken for any reason.

While the arrangement has been described heretofore as permitting the tops or caps of bottles to extend partially through openings in the carrier, it will be evident that either construction will operate as efficiently as the other, for which reason it is to be understood that where the term tops of bottles is used in the claims, such term is to be construed to include the physical tops of the bottles or any caps therefor.

From the foregoing it will be seen that the present invention provides a simple, efficient and inexpensive carrier for bottles, both for domestic distribution and for convenience in distributing the bottles to dealers. It will be readily observed that the invention is capable of modification other than that shown in the illustrated drawings, in view of which the invention is to be limited not by the illustrated embodiments but only by the scope of the following claims.

Having described my invention, what I claim is:

1. A bottle carrier of the character described comprising a substantially flat bottom and side members extending upwardly from said bottom and joined together to aid in retaining bottles within the carrier, said carrier being provided with slots extending across the bottom and part way up each side member.

2. A bottle carrier of the character described comprising a substantially flat bottom and side members extending upwardly from said bottom and joined together to aid in retaining bottles within the carrier, said carrier being provided with slots extending across the bottom and part way up each side member, and said slots being of such width as to fit over the partitions of a bottle crate.

3. A bottle carrier of the character described comprising a sheet of material folded into an intermediate portion forming a bottom for the carrier; and side portions extending from said intermediate portion, said side portions being lapped one over the other over the top of bottles positioned in the carrier, said carrier having slots therein extending across the bottom portion and part of the way up each side portion.

4. A bottle carrier of the character described comprising a sheet of material folded into an intermediate portion forming a bottom for the carrier; and side portions extending from said intermediate portion, said side portions being lapped one over the other over the top of bottles positioned in the carrier, said carrier having slots therein extending across the bottom portion and part of the way up each side portion, said slots being of such width as to fit over the partitions of a bottle crate.

5. A bottle carrier of the character described comprising a bottom, side members extending upwardly from said bottom and joined together

disposed openings adjacent the top of the carrier, through which parts of bottle tops may extend, said carrier being provided with slots extending across said bottom and part way up each side.

5 18. A bottle carrier of the character described comprising a bottom and side members extending upwardly therefrom, said side members being connected to form a handle for the carrier, said carrier being provided with slots extending across

the bottom and part way up each side member. 19. A bottle carrier of the character described comprising a bottom and side members extending upwardly therefrom, means for positioning the bottles in said carrier in spaced relation, said carrier being provided with slots extending across the bottom and part way up each side member between the respective bottle positions.

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