Jan. 2, 1934. V. YOUNG 1,941,775

CARTON

Filed April 5, 1933

Fig.1.

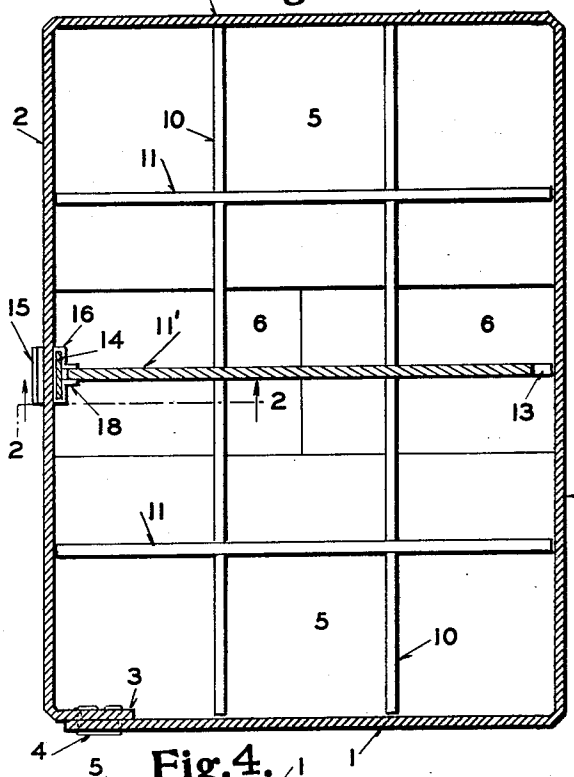


Fig.2.

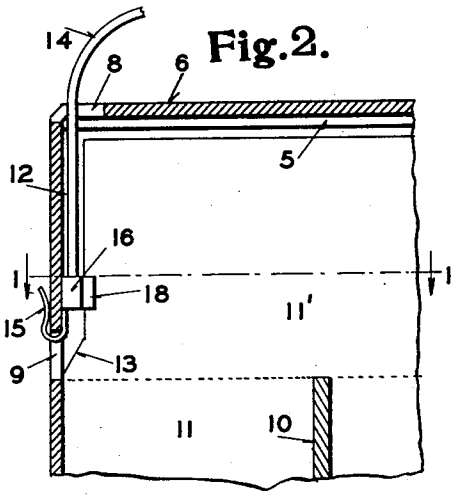


Fig.3.

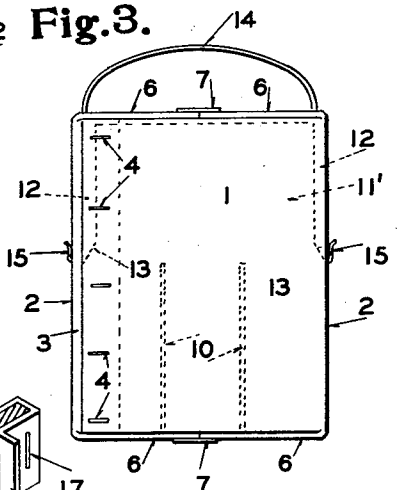


Fig.4.

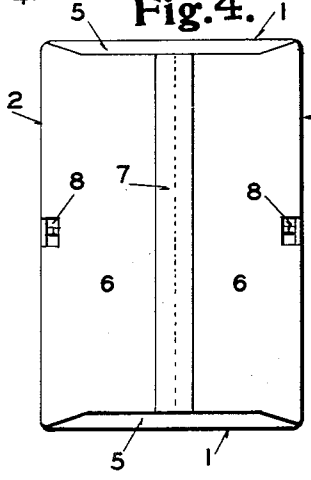


Fig.6.

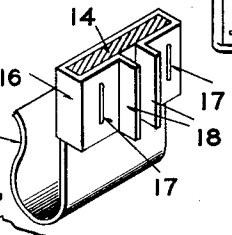


Fig.5.

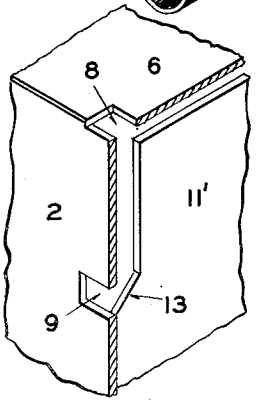
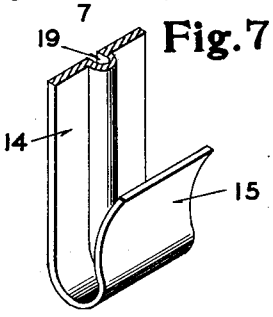


Fig.7.



Inventor
V. Young

By

Att'y.

Patented Jan. 2, 1934 1,941,775

UNITED STATES PATENT OFFICE

1,941,775

CARTON

Vertrees Young, St. Louis, Mo., assignor to Robert Gaylord, Incorporated, St. Louis, Mo., a corporation of Missouri

Application April 5, 1933. Serial No. 664,464

4 Claims. (Cl. 229—52)

My invention relates to a carton and particularly to one adapted to the transportation of bottles or similar merchandise.

The object of my invention is to provide such a carton, preferably formed of solid or corrugated fiberboard, to which a carrying handle may readily be attached in order to facilitate the manual transportation of the same.

In the accompanying drawing, which illustrates one form of carton made in accordance with my invention, Figure 1 is a horizontal section on the line 1—1 of Figure 2; Figure 2 is an enlarged vertical section through one side of the carton taken on the line 2—2 of Figure 1; Figure 3 is an end elevation, showing the handle in position; Figure 4 is a top plan view, showing the carton before the handle is applied; Figure 5 is a fragmentary perspective view; Figure 6 is a perspective view of one of the hooks for attaching the handle; and Figure 7 is a perspective view of a modified form of hook.

The carton, which is preferably formed from a single blank of solid or corrugated fiberboard, comprises a pair of end walls 1, a pair of side walls 2, and a top and bottom. One of the side walls is provided with a flange 3 attached to the adjacent end wall by any suitable means, such as staples 4. The top and bottom are each preferably formed of a pair of inner flaps 5 integral with the end walls, and a pair of outer or sealing flaps 6 integral with the side walls. The latter flaps may be secured together by strips of gummed tape 7 to close the top and bottom. Formed in the top adjacent the side walls 2, are a pair of handle-receiving openings 8, and directly below them in the side walls are a pair of hook-engaging openings 9.

The carton is divided into compartments, to receive bottles or similar articles, by longitudinal partitions 10 and cross partitions 11. As shown in the drawing, the former are two and the latter three in number so as to provide twelve compartments. The partitions 10 and 11 are of a width considerably less than the depth of the carton, but the center partition 11, which is in alignment with the handle and hook openings, is provided with an upward extension 11' reaching approximately to the top of the carton. This extension is somewhat narrower than the width of the carton so as to provide at each side a guide-way to direct the ends of the handle when they are inserted in position, as will be hereinafter described. The lower ends of these guide-ways terminate in inclined surfaces 13 for forcing the hooked ends of the handle outwardly.

The handle is formed of a strip 14 of any suitable material. It preferably has sufficient flexibility to permit ready bending so that it may be shipped in straight form. In case the handle is made of material such as thin wood, a metallic hook 15 may be secured to it by an integral loop 16 surrounding the end of the strip and fastened by staples 17. The ends of the loop extend inwardly to provide wings 18 engaging with the faces of the extension 11' to prevent lateral movement of the end of the handle as it is inserted into position. In Figure 7 I have shown a modification in which the handle is formed of a metal strap, the hooks 15 being formed integral with the strap and the ends of the strap being provided with grooves 19 engaging with the edges of the extension 11' and performing the same function as the wings 18.

In using my carton, the bottles are sealed in the carton with the handle unattached. When it is desired to attach the handle, the ends are inserted in the openings 8 in the cover and forced down the guide-ways 12. The edges of the extension 11' will hold the ends from moving away from the side walls 2 and the engagement of the wings 18 or grooves 19 with said edges, will prevent lateral movement of the ends. When the bottom of the guide-way is reached, the inclines 13 will force the hooks 15 out through the openings 9 so that when the handle is lifted, the hooks will engage with the upper edges of the openings, as best shown in Figure 2. A convenient handle for carrying the carton is then easily and effectively applied.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. A carton comprising side walls and a top, a handle having hooks on its ends, said top being provided with openings for the insertion of the ends of said handle, said side walls being provided with openings for engagement with the hooks on the handle, and a partition wall in said carton, said wall forming guiding means for directing the handle ends in their passage from the openings in the top to the side wall openings.

2. A carton comprising side walls and a top, a handle having hooks on its ends, said top being provided with openings for the insertion of the ends of said handle, said side walls being provided with openings for engagement with the hooks on the handle, guiding means for directing the handle ends in their passage from the openings

in the top to the side wall openings, and means for forcing the hooks through the latter-named openings.

3. A carton comprising side walls and a top, a partition in said carton extending approximately to the top, said partition being spaced from the side walls to provide guide-ways, said top having openings adjacent the partition, said side walls also having openings adjacent the partition, and a handle having hooks on its ends, the hooked ends of said handle being insertable through the top openings and guide-ways into engagement with the side wall openings.

4. A carton comprising side walls and a top, a partition in said carton extending approximately to the top, said partition being spaced from the side walls to provide guide-ways, said guide-ways terminating in inclined faces, said top having openings adjacent the partition, said side walls also having openings adjacent the partition, and a handle having hooks on its ends, the hooked ends of said handle being insertable through the top openings and guide-ways into engagement with the side wall openings.

VERTREES YOUNG.