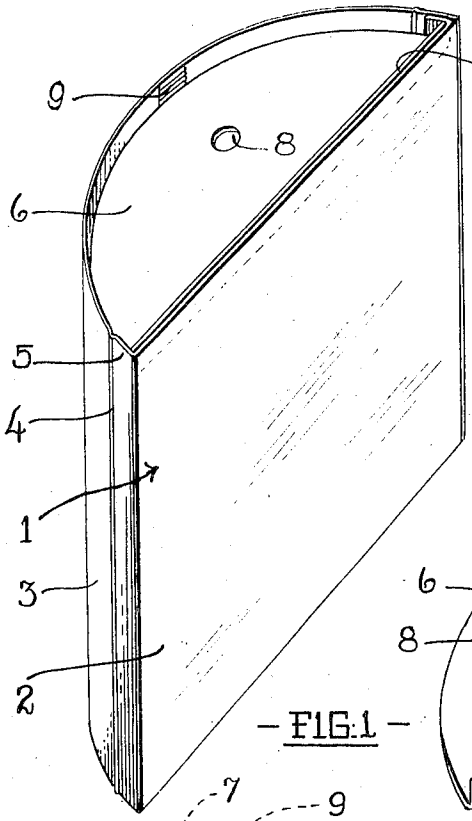
Aug. 4, 1925. 1,548,237

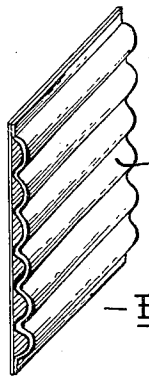
G. E. ACKERMANN

COLLAPSIBLE CARTON

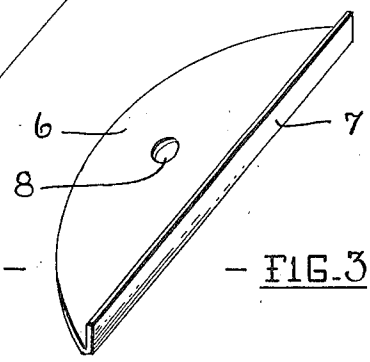
Filed Aug. 11, 1924



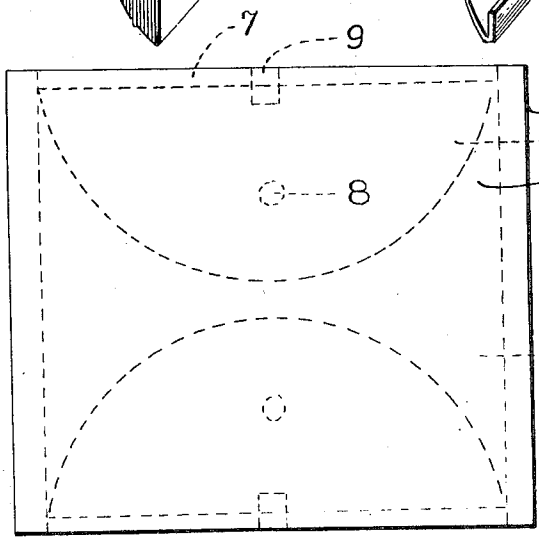
- FIG. 1 -



- FIG. 2 -



- FIG. 3 -



- FIG. 4 -

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Patented Aug. 4, 1925. 1,548,237

UNITED STATES PATENT OFFICE.

GEORGE E. ACKERMANN, OF CHICAGO, ILLINOIS, ASSIGNOR TO G. A. ACKERMANN PRINTING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

COLLAPSIBLE CARTON.

Application filed August 11, 1924. Serial No. 731,387.

To all whom it may concern:

Be it known that I, GEORGE E. ACKERMANN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Collapsible Cartons, of which the following is a specification.

My invention has reference, in its broad aspect, to improvements in collapsible cartons of the type exemplified by a unitary, foldable body provided with end closures constituting braces for maintaining the carton in its set-up position; and more particularly it is my purpose to greatly simplify the construction of such devices and to provide therefore a novel and unique retaining or locking member for the end closures or braces.

There are a number of essential characteristics which must be present in a carton of this type to render it practical for commercial purposes; among these may be mentioned simplicity of structure, cheapness, sufficient strength to properly retain such articles as are to be placed in it, compactness, and adequate means for retaining the carton in a set-up position. Not only is my present carton designed to attain all of the above specified ends, but in addition thereto I have so formed my carton that it presents an unusually attractive appearance and is therefore especially adapted for the display of advertising matter, such for instance, as a poster suitably mounted on the body. Furthermore, instead of the usual metal, cord, or interlocking tab retaining or locking means, I have provided novel corrugated paper members into the declivities of which the end closures are adapted to engage to rigidly maintain the carton in a set-up position for the reception of certain objects designed to be placed therein.

The structural elements employed to accomplish the above and other results and objects will be hereinafter more fully described in detail and specifically pointed out in the claim appended hereunto and forming a part of this specification, but the scope of my invention may only be determined by the limits of the appended claim.

In the accompanying drawing, wherein is illustrated the preferred embodiment of my invention:—

Figure 1 is a perspective view of my carton in its set-up position,

Figure 2 is a perspective view of my corrugated retaining member for the end closures or braces,

Figure 3 is a perspective view of one of the end closures or braces, and

Figure 4 is a plan view of the carton in its collapsed position, showing the relative positions of the end closures and back in dotted lines.

Like characters of reference refer to like or similar parts throughout the several views of the drawing, in which;—

The numeral (1) designates generally the one-piece body of my carton which is formed to provide a flat back (2) and a semi-cylindrical curved front portion (3) when the carton is set-up. The front portion (3) is creased as at (4) to fold flat on the back portion (2) when the carton is knocked down; the sections (5) between the ends of the back portion and the creases serving as extension members.

Attached to the bottom and top edge of the back portion (2) are semi-circular end closures or braces (6) having bent edges (7) adapted to be glued or otherwise secured to the back portions. The end closures or braces (6) are also provided with openings (8) to facilitate moving the ends into the bracing position with respect to the front portion as shown in Figure 1. In the knock down position of the carton the ends or braces lie flat between the front and back portions as shown in Figure 4.

It is within the concept of my invention to form the end closures or braces (6) integral with the back portion, in which case the back portion can be provided with semi-circular extensions on its bottom and top edges adapted to be folded to accomplish the desired purpose.

In order to maintain the ends in position I have provided novel retaining members in the form of plurally corrugated paper (or other suitable material) sections (9) which are designed to be glued or otherwise suitably secured respectively to the top and bottom edge portions of the front (3), with

the corrugations directed toward the end closures so that the end closures will engage between certain of the ribs thereof to complete the assembly of the carton in a set-up position. There is sufficient "give" in the material of my carton to permit insertion of the end closures in the corrugations, although when so inserted they are properly and adequately held in place. The position of the ends may manifestly be adjusted within limits, by utilizing any one of the respective ribs of the corrugated members.

In setting up my carton the front and back are pulled apart and the end closures pulled out and inserted in the desired ribs of the members (9). Attention is again particularly invited to the adaptability of my invention for purposes of display in advertising; the semi-cylindrical shape of the front portion thereof permits of inspection of any advertising matter placed thereon from any reasonable angle.

While in the foregoing, there has been illustrated and described such combination and arrangement of elements as constitute the preferred embodiment of my invention, it is nevertheless desired to emphasize the fact that interpretation of the invention should only be conclusive when made in the light of the subjoined claim.

Having described my invention and its objects with such attention to detail as will thoroughly acquaint one skilled in the art with its construction and advantages, I claim;—

A collapsible carton of the type defined comprising a body formed with a flat back and a semi-cylindrical front, semi-circular end closures carried by the back and engageable with the front to hold the carton in a set-up position, corrugated strips fixed throughout their entire length to the inner face of the front portion below the top and above the bottom edges thereof, the end closures adapted to engage within the corrugations to be retained in position, and the semi-cylindrical front of the body being inherently resistive to change in semi-cylindrical conformation whereby to positively retain said corrugated strips in engagement with the end closures.

In testimony whereof, I affix my signature hereunto.

GEORGE E. ACKERMANN.