

Nov. 29, 1938.

E. SIEWERT  
CARTON

2,138,680

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FIG. 1.

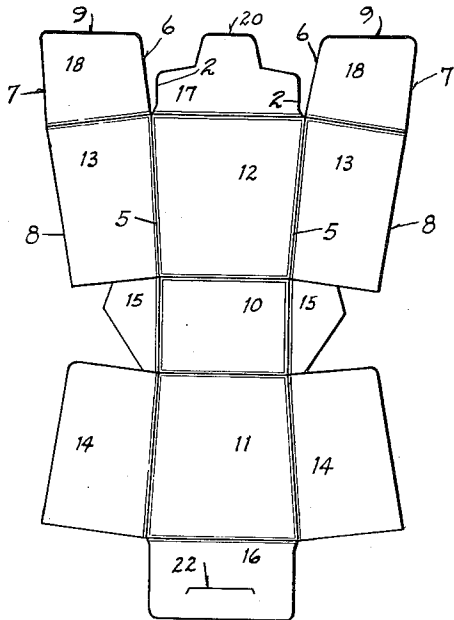


FIG. 2.

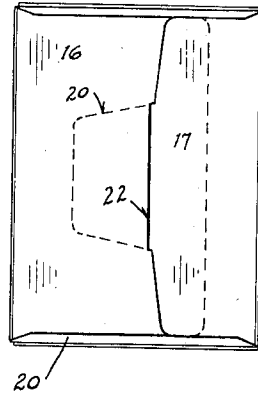


FIG. 3.

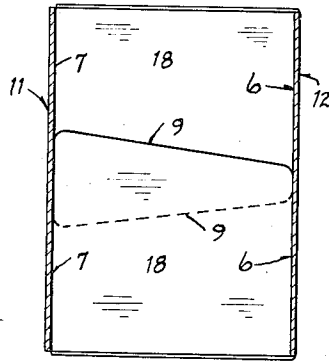


FIG. 4.

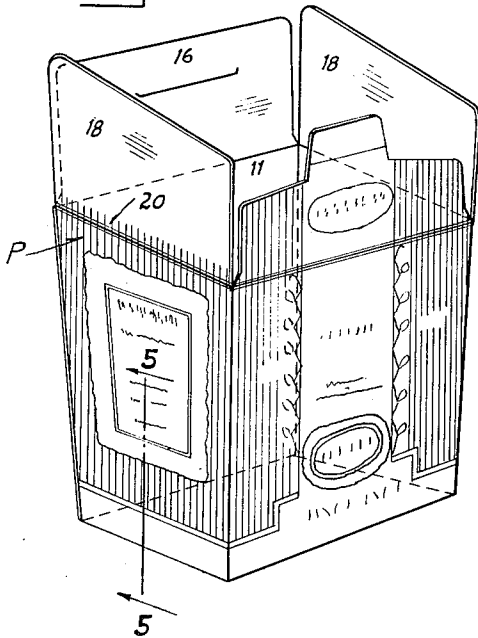
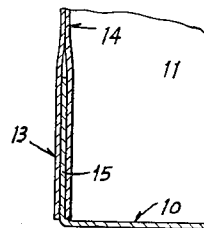


FIG. 5.



INVENTOR.  
*Edwin Siewert*  
BY  
*Joseph Rossman*  
ATTORNEY.

## UNITED STATES PATENT OFFICE

2,138,680

CARTON

Edwin Siewert, Wausau, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application June 28, 1937, Serial No. 150,740

2 Claims. (Cl. 229—16)

This invention relates to tapered cartons intended particularly as containers for ice cream or other food products, although the features of the present invention may be applied to cartons intended for various purposes.

The present invention is intended to provide a carton construction to ensure complete enclosure of the contents by the closing flaps of the carton.

Further objects and details of the invention will appear from the description thereof in conjunction with the accompanying drawing, wherein,

Figure 1 is a plan view of the blank for making the carton,

Figure 2 is a top view of the closed carton,

Figure 3 is a top view of the carton with the upper closing flaps removed,

Figure 4 is a perspective view of a carton made from the blank shown in Figure 1,

Figure 5 is an enlarged sectional view taken on line 5—5 of Figure 4.

Referring to the drawing, the tapered carton is formed from a single blank shown in Figure 1 made of cardboard or the like suitably scored and folded. It comprises a bottom 10, a front wall 11 hingedly connected to the bottom at its front edge, and a rear wall 12 hingedly connected to the bottom at its rear edge.

Hinged to each side edge of the rear wall 12 is an outer side panel 13 extending forwardly toward the front wall 11, and hinged to each side edge of the front wall 11 is an inner side panel 14 extending rearwardly toward the rear wall 12 substantially along the inner surface of the outer side panel 13. Side flaps 15 are hingedly connected to the side edges of the bottom 10 and extend upwardly between the panels 13 and 14, as shown in Figure 5, which are adhesively connected to each other in overlapping relation and to the flaps 15.

For closing the top of the carton, closure means are provided, comprising a pair of inner flaps 18, one hingedly connected to the top edge of each side panel 13 and two outer or upper closure flaps 16 and 17 hingedly connected respectively to the upper edges of the walls 11 and 12.

The inner flaps 18 are of the shape shown in Figures 1 and 3. The side edge 6 of the flap 18 forms a continuation of score line 5 but extends at a slight angle thereto as shown in Figure 1. The side edge 7 of flap 18 forms a continuation of the edge 8 of side wall 13 and extends at a slight angle thereto. The side edges 6 and 7 of flaps 18 are thus brought in from the upwardly flaring relation of vertical edges 5 and

8 of the outer side panels 13 to a strictly parallel relation. This construction of the flaps 18 makes it possible for the full length of the side edges 6 and 7 of the inner flaps to contact the full width of walls 11 and 12, when the flaps are folded over in overlapping relation as shown in Figure 3 so as to abut the side walls and thereby prevent leakage or oozing of the contents in the carton.

The upper closing flaps 16 and 17 of the carton are adapted to be folded down over the inner flaps 18. The flap 16 has a cut or slot 22 formed therein as shown in Figure 1. The other upper flap 17 is formed with a projecting tongue 20 which is slightly tapered, as shown in Figure 1, and which at its base is of approximately the same width as the length of the slit 22. The side edges 2 of the closure flap 17 are cut inwardly as shown in Figure 1 so as to provide a substantial space between said edges and the opposing edges 6 of the inner flaps 18. When the cartons are cut out from the stock material the stock which is present between the flaps 17 and 18 can be readily removed as a result of this construction.

The construction above described is extremely advantageous and satisfactory for the purpose intended. The construction of flaps 18 is such as to provide a relatively tight closure at the top of the carton and effectively prevents the ice cream mixture or the like from leaking or oozing out. When the flaps 18 are brought into overlapped relation as shown in Figure 3 their side edges 6 and 7 contact or abut the full width of the walls 11 and 12 thereby completely sealing the contents and at the same time reinforcing the walls 11 and 12 so as to make them more rigid. Furthermore, as shown in Figure 4, flaps 18 form a continuation of side walls 13 which may be printed utilizing a single plate with a design P which extends slightly over on the flaps 18 at region 20. When the upper flaps 16 and 17 are closed the area 20 is visible as shown in Figure 2. By extending the printed design P on the area 20 on flaps 18, the top of the carton will have a neat and finished appearance. These advantages are not present in cartons hitherto made as shown, for example, in Patent No. 1,950,934. In such cartons the flaps do not completely seal the contents.

While one embodiment of the invention has been disclosed, it is to be understood that the inventive idea may be carried out in a number of ways. This application is therefore not to be limited to the precise details described, but is intended to cover all variations and modifications

thereof falling within the spirit of the invention or the scope of the appended claims.

I claim:

1. A tapered receptacle formed from a single  
 5 folded blank suitably scored to form a bottom, a  
 front wall hingedly connected to said bottom,  
 a rear wall hingedly connected to said bottom,  
 inner side panels hinged to said front wall, outer  
 10 side panels hingedly connected to said rear wall  
 and arranged in overlapping relation to said inner  
 side panels to form side walls of the recep-  
 tacle, the vertical edges of said side panels being  
 15 in upwardly flaring relation, inner closure flaps  
 hinged to the said outer side panels, the side  
 edges of said inner closure flaps being brought  
 in from the upwardly flaring relation of the  
 vertical edges of said outer side panels to a par-  
 20 allel relation, the full length of the side edges  
 of said closure flaps being in abutting contact  
 with the adjoining front and rear walls of the  
 container, closure flaps hinged to the front and  
 rear walls and adapted to be folded over and  
 interlocked over the said inner closure flaps, the  
 25 side edges of the closure flap hinged to the rear  
 wall being cut away so as to provide a substan-  
 tial space between said edges and the opposing  
 edges of the said inner closure flaps.

2. A tapered receptacle formed from a single  
 folded blank suitably scored to form a bottom, a  
 front wall hingedly connected to said bottom, a  
 rear wall hingedly connected to said bottom, inner  
 5 side panels hinged to said front wall, outer  
 side panels hingedly connected to said rear wall  
 and arranged in overlapping relation to said inner  
 side panels to form side walls of the recep-  
 tacle, the vertical edges of said side panels being  
 10 in upwardly flaring relation, inner closure flaps  
 hinged to the said outer side panels, said inner  
 closure flaps being of sufficient length to overlap  
 at their free edges, the side edges of said inner  
 closure flaps being brought in from the upwardly  
 15 flaring relation of the vertical edges of said outer  
 side panels to a parallel relation, the full length  
 of the side edges of said closure flaps being in  
 abutting contact with the adjoining front and  
 rear walls of the container, closure flaps hinged  
 20 to the front and rear walls and adapted to be  
 folded over and interlocked over the said inner  
 closure flaps, the side edges of the closure flap  
 hinged to the rear wall being cut away so as to  
 provide a substantial space between said edges  
 25 and the opposing edges of the said inner closure  
 flaps.

EDWIN SIEWERT.