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2,581,105

TEXTILE CONTAINER WITH SLOTTED CORNERS

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Fig. 1.

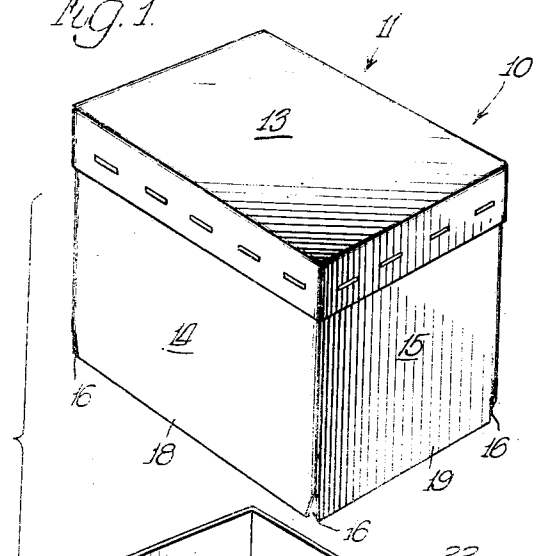


Fig. 2.

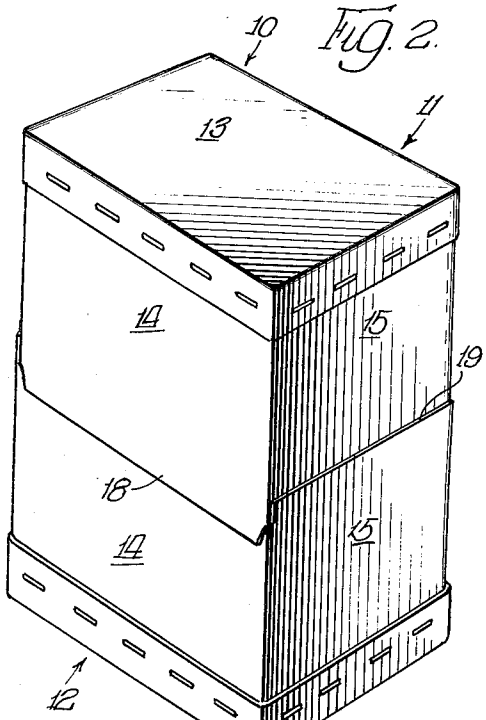


Fig. 3.

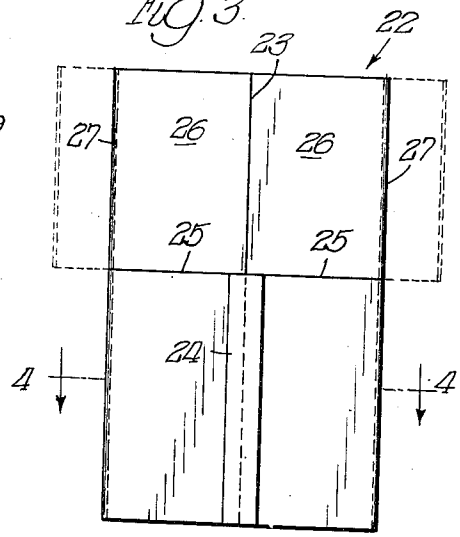
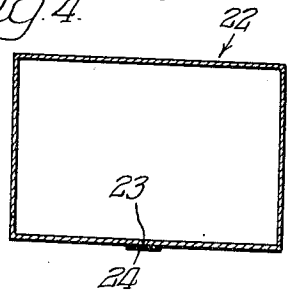


Fig. 4.



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TEXTILE CONTAINER WITH SLOTTED CORNERS

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5 Claims. (Cl. 229—23)

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This invention relates, generally, to paperboard containers and it has particular relation to containers in which textiles and the like can be packed.

Among the objects of this invention are: To provide an improved paperboard textile container; to provide such a container which has identical top and bottom sections; to construct the juxtaposed ends of the top and bottom sections so as to have a limited telescoping relation; to provide slots in said juxtaposed ends of limited depth for receiving the other container section; to employ a rectangular container and locate the slots at its corners; to flare alternate portions of the edges of the top and bottom sections between said slots in opposite directions a slight extent to facilitate telescoping thereof; to provide a liner in the bottom section which extends into the top section; and to provide panels in the portion of one wall of the liner which extends above the adjacent wall of the bottom section with the panels being swingable to permit packaging of textiles on the bottom of the container from a position just above the upper edge of said wall of the bottom section with the panels open and thereafter said panels can be closed and the container packed to the top.

Other objects of this invention will, in part, be obvious and in part appear hereinafter.

This invention is disclosed in the embodiment thereof shown in the accompanying drawing and it comprises the features of construction, combination of elements and arrangement of parts which will be exemplified in the construction hereinafter set forth and the scope of the application of which will be indicated in the appended claims.

For a more complete understanding of the nature and scope of this invention, reference can be had to the following detailed description, taken together with the accompanying drawing, in which:

Figure 1 is a perspective view of a textile container with slotted corners constructed in accordance with this invention, the top section being illustrated above the liner and bottom section to show more clearly the details of construction;

Figure 2 is a perspective view of the textile container in the closed position;

Figure 3 is a view, in front elevation, of the liner which is optionally used in the container shown in the preceding figures; and

Figure 4 is a detail sectional view taken along the line 4—4 of Figure 3.

Referring now particularly to Figures 1 and 2

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of the drawing, it will be noted that the reference character 10 designates, generally, a rectangular textile container of paperboard such as fibreboard which may have relatively small transverse dimensions as compared to its depth. The container 10 is formed by a top section which is indicated, generally, at 11 and a bottom section which is indicated, generally, at 12. Preferably the top and bottom sections 11 and 12 are identical in construction. However, it will be understood that, while their transverse dimensions are the same, their depths may be different as circumstances may dictate.

Each of the top and bottom sections 11 and 12 includes a central horizontal portion 13 which provides, respectively, the top and bottom container walls. From the central horizontal portions 13 of the top and bottom sections 11 and 12, side and end walls 14 and 15 extend.

With a view to permitting limited telescoping engagement of the top and bottom sections 11 and 12 so as to provide a maximum of space enclosed thereby, the edges thereof away from the central horizontal portions 13 are slotted at the corners as indicated at 16. It will be noted that the slots 16 are located at the corners between the side walls 14 and 15. The slots 16 are of limited depth so as to provide the limited telescoping engagement between the top and bottom sections 11 and 12 as shown. The portions 18 and 19 in the walls 14 and 15 between the slots 16 are flared slightly in opposite directions so as to permit opposite corresponding portions to slide past each other when the top and bottom sections 11 and 12 are telescoped as indicated in Figure 2. As there shown, the resulting container 10 has a height which is about equal to the combined heights of the top and bottom sections 11 and 12. The construction thus provided is exceptionally sturdy and is capable of withstanding relatively rough handling.

The container 10 may be employed as described above for the packing of textiles. However, in order to facilitate the filling of the bottom section 12 to and including the space enclosed by the top section 11, a liner, indicated generally at 22, may be used. The liner 22, as shown in Figure 1 of the drawing, is formed from a single sheet of paperboard and is folded along score lines to provide a rectangular configuration which conforms to that of the bottom section 12. The ends of the blank employed for forming the liner 22 meet along a line 23 which may be located midway between the edges of one of the side walls, as shown. A glue strip 24 may

be employed, as shown in Figure 3, for holding the edges of the liner 22 along the line 23 in juxtaposed relation.

As indicated above, the container 10 may have relatively small transverse dimensions as compared to its depth. When this is the case it is difficult to accurately and properly place textiles at the bottom if it is necessary to place them thereat through the open top of the liner 22.

In order to overcome this difficulty the side wall of the liner 22 adjacent the side wall 14 of the bottom section 12 is cut along a line 25 which is located along the upper edge of this side wall 14. Also, as shown in Figure 3, the glue strip 24 extends only to the line 25. This provides panels 26 which can be swung about their edges 27 which coincide with the corners of the liner 22.

When the container 10 with the liner 22 is to be packed with textiles, the panels 26 first are swung outwardly as illustrated in Figures 1 and 3 of the drawing. The textiles then may be packed through the open side thus provided in the liner 22 and over the upper edge of the side wall 14 of the bottom section 12. Thereafter the panels 26 can be swung to their closed positions and the container packed to the top of the liner 22. The top section 11 then is telescoped over the liner 22 and over the upper end of the bottom section 12 to the extent limited by the slots 16.

By slotting the corners 16 of the top and bottom sections 11 and 12 as disclosed herein a rigid construction is provided since the juxtaposed edges overlap a limited extent. Thus, it is unnecessary to construct the side and end walls 14 and 15 of such length as to overlap or telescope for their entire lengths. This results in a substantial saving in material used for making the container 10. At the same time the slots 16 limit the extent of movement of the top and bottom sections 11 and 12 toward each other, thereby enclosing a maximum of space with a minimum of material while maintaining the desired rigidity of construction.

Since certain changes can be made in the foregoing construction and different embodiments of the invention can be made without departing from the spirit and scope thereof, it is intended that all matter shown in the accompanying drawing and described hereinbefore shall be interpreted as illustrative and not in a limiting sense.

What is claimed as new is:

1. A paperboard container comprising opposed box like cover sections open at their inner ends and each having a plurality of angularly related side walls of substantially equal height all connected together for substantially their full height and providing corners between them, each of said sections having corner slots extending from their inner ends and said sections being disposed with their inner end portions in telescoping relation with certain of the side walls of one section at the outer face of the corresponding side walls of the other section and other of the side walls of said one section at the inner face of the corresponding walls of said other section.

2. A paperboard container comprising opposed box like cover sections open at their inner ends and each having a plurality of angularly related side walls all secured together for substantially their full height and providing corners between them, said sections having relatively short corner slots extending from their inner ends and being disposed with their inner end portions in telescoping relation limited in extent by the length of said slots, the portions of certain of the walls of one of said sections between said slots being flared outward and the portions of the walls of the other section corresponding to the other walls of said one section being flared outward between said slots.

3. A paperboard container comprising opposed cover sections open at their inner ends and of substantially rectangular cross section, each having side and end walls all secured together for substantially their full height and relatively short corner slots extending from its inner end, the portion of the side walls of one of said sections between said corner slots being flared outward and the portions of the end walls of the other section between said corner slots being flared outward, said sections being disposed with their inner end portions in telescoping relation limited in extent by the length of said slots.

4. A paperboard container comprising a liner, and opposed box like cover sections fitting on said liner each open at its inner end and having a plurality of angularly related side walls all secured together for substantially their full height and providing corners between them, each of said sections having relatively short corner slots extending from their inner ends and being disposed with their inner end portions in telescoping relation with certain of the side walls of one section at the outer face of the corresponding side walls of the other section holding the inner end portions of the latter side walls in pressure contact with said liner and other of the side walls of said one section at the inner face of the corresponding walls of said other section with the inner end portions thereof held in pressure contact with said liner by the inner end portions of said other section.

5. A paperboard container comprising a liner of rectangular cross section, and opposed cover sections open at their inner ends and of substantially rectangular cross section fitting on said liner and each having side and end walls secured together for substantially their full height and corner slots extending from its inner end, the portions of the side walls of one of said sections between said corner slots being flared outward and the portions of the end walls of the other section between said corner slots being flared outward, said sections being disposed with their inner end portions in telescoping relation limited in extent by the length of said slots.

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