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2,098,508

CARDBOARD BOX

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Fig. 1.

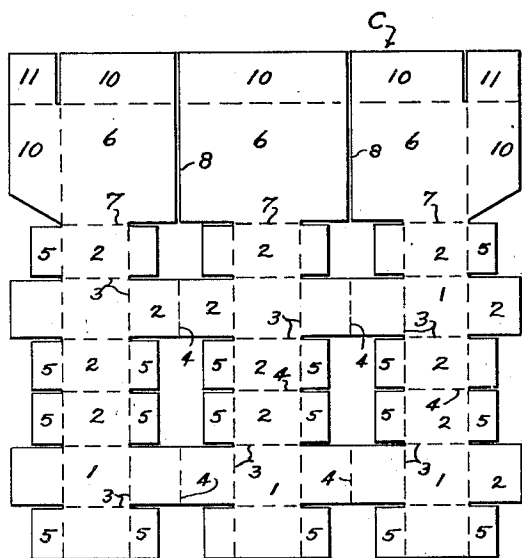


Fig. 3.

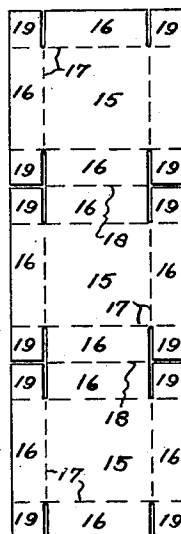


Fig. 2.

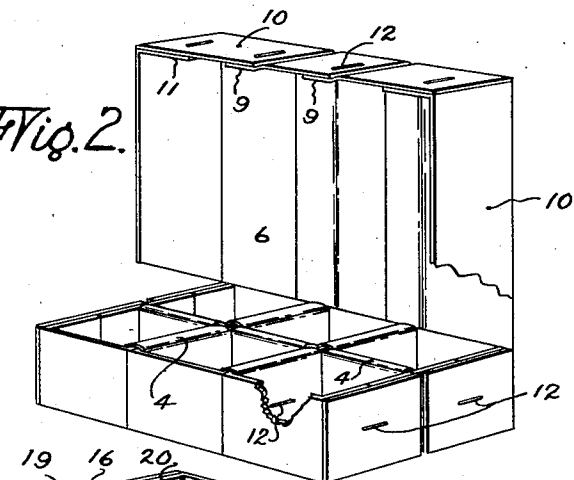


Fig. 5.

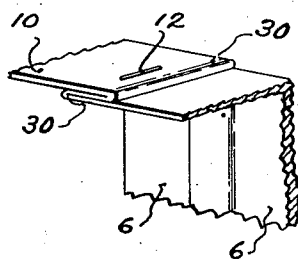
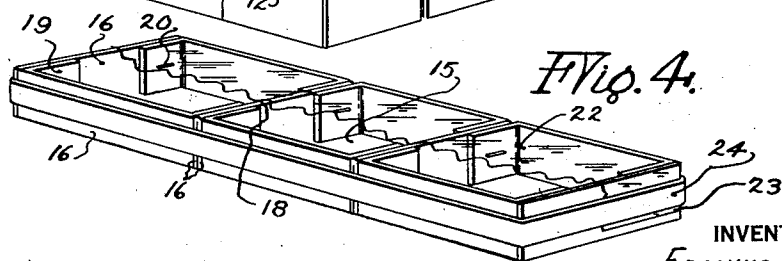


Fig. 4.



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CARDBOARD BOX

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Application September 24, 1935, Serial No. 41,850

2 Claims. (Cl. 229—27)

This invention relates to cardboard containers or boxes of the type in which two or more individual compartments are provided.

The principal object of the invention is to provide a container of this character which may be produced from a formed blank by simple folding operations and which will possess greater strength and rigidity than the containers now commonly in use. Other and further objects residing in details of the construction will be apparent from the folding specification and claims.

In the accompanying drawing:

Fig. 1 is a plan view of a blank formed to provide a multiple compartment box suitable for eggs and the like;

Fig. 2 is a perspective view on a larger scale showing the box set up;

Fig. 3 is a plan view of a blank formed to provide a box having shallow compartments suitable for pastries or confections;

Fig. 4 is a perspective view on a larger scale showing the blank of Fig. 3 set up; and

Fig. 5 shows an alternative manner of forming the reinforcing ribs on the cover of the box form shown in Fig. 2.

Referring to Figs. 1 and 2, the blank is shown as including rectangular portions 1 for forming the bottoms of the compartments and adjacent side portions 2, separated from the bottom portion by scores or creases 3, which form the side walls proper of the compartments when the box is set up. As will be clear from Fig. 1, each compartment is provided with four side walls 2, the adjacent side walls of adjacent compartments being connected together at the scores or creases 4 so that when the box is set up the walls separating the compartments from each other are of double thickness as shown in Fig. 2.

One pair of opposed side walls of each compartment are provided with corner flaps 5 which, when the box is set up, are folded against the adjacent side wall of the other pair. These corner flaps may be folded against either the inner or outer face of the adjacent side wall but if a neat appearance is of importance they are preferably folded against the outer face so as to be hidden between the double walls of the compartment partitions as in Fig. 2. If desired, however, they may be folded against the exposed faces as is shown for purposes of illustration in the modified box form shown in Fig. 4, later described.

The box of Figs. 1 and 2 is provided with a

cover generally indicated at C and comprising separate sections 6 respectively, connected by creases 7 to the adjacent side wall portions 2 of the adjacent compartments. The cover sections 6 are separated from each other by cuts 8 which are in line with the transverse creases 4 about which the double walls of the transverse partitions are folded. When the box is set up the adjacent edges of the sections 6 overlap, as indicated at 9 in Fig. 2, forming reinforcing ribs which greatly increase the strength and rigidity of the cover. The cover sections 6 are provided with side and corner flaps 10 and 11, respectively, which are folded in an obvious and the usual manner, to provide cover flanges which fit over the sides of the body of the box when the latter is closed.

The overlapped portions of the several members may be pasted together in rigid face to face relation or held together in such relation by staples 12, as shown in the drawing.

Referring to Figs. 3 and 4, the invention is shown applied to a box having a single tier of relatively shallow compartments. The blank, shown in Fig. 3, from which the box is formed, is shaped to provide bottom portions 15 and side wall portions 16, separated from the bottom section by scores or creases 17. The adjacent side wall portions of the adjacent compartments being connected at the creases 18 to form double walls when the box is set up as is clear from Fig. 4. One pair of opposed side walls of each compartment are provided with corner flaps 19 which, when the box is set up, are folded inwardly against the adjacent side wall of the other pair. As shown in Fig. 4, the corner flaps are positioned against the exposed faces of the double-walled side portions, a procedure which possesses some advantages in the ease with which the box is set up, but obviously the corner flaps may be folded between the double walls, as previously described, if desired.

The overlapped portions of the box are pasted together or stapled as indicated at 20.

The box of Fig. 4 which is particularly adapted for the display of confections, pastries and the like, is preferably provided with a covering of "Cellophane" 22, which extends over the open faces of the compartments and is draped or folded down the sides of the box as indicated at 23. The cellophane covering is held in place by a cardboard band 24, fitting over the sides of the box to engage the edge portions 23 of the covering between said band and the box. Obviously, the box of Figs. 3 and 4 could be provided with

5 a lid cover in the manner of Figs. 1 and 2, if desired. The reenforcing ribs for the cover of the box form shown in Fig. 2 could also be provided by substituting parallel score lines 30 (Fig. 5) for the cuts 8 and over-folding the portions of the cover lying between the scored lines, as shown in the latter figure.

10 It will be seen that my construction which provides double walled partitions, and a reenforced cover, when the latter is employed, secures a box construction of great strength and rigidity which is of importance when fragile articles such as eggs or pastries are to be handled.

15 What I claim is:

1. A one piece box blank for forming a multi-compartment box by folding of the blank which comprises sections forming the bottoms of the compartments, sections forming the side walls
20 of the compartments and sections forming a

cover, the blank being scored at the union of said sections, the adjacent side wall sections of adjacent compartments being united to each other, and the blank being scored at the union of said adjacent side wall sections, whereby the several compartments of the set up box are separated from each other by double walled partitions, and the said cover sections overlap each other to form reenforcing ribs across the box cover.

2. A one piece box having a plurality of compartments, the partitions between said compartments being double walled, the double walls of said partitions being integrally united along their upper edges and rigidly secured together in face to face relation, and a cover integrally hinged to the sidewalls along one edge of the box, portions of said cover being overlapped forming reenforcing ribs.

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