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J. C. T. DALY

2,235,800

COLLAPSIBLE BOX OR CARTON

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Fig. 1.

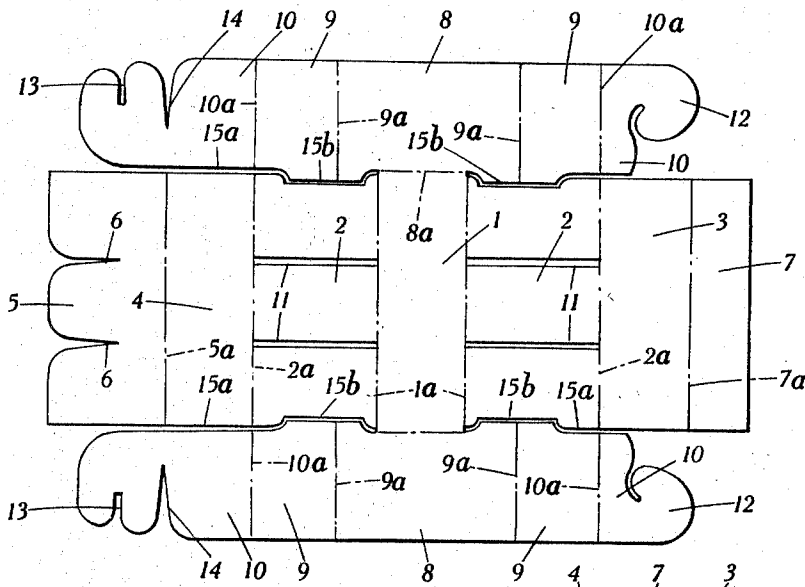


Fig. 2.

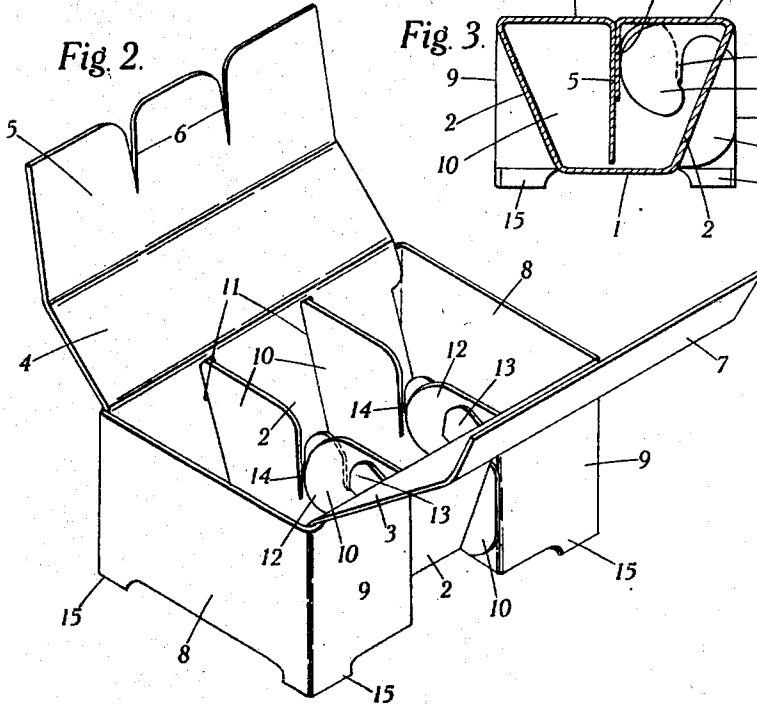
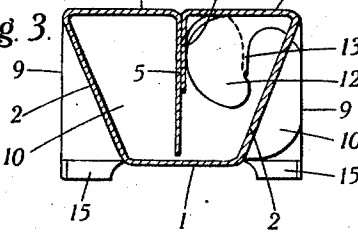


Fig. 3.



INVENTOR
J. C. T. DALY
BY *R. R. R. R.*
ATTORNEY

UNITED STATES PATENT OFFICE

2,235,800

COLLAPSIBLE BOX OR CARTON

John Columba Torpey Daly, London, England

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3 Claims. (Cl. 229—27)

This invention relates to collapsible cartons or boxes made of readily foldable sheet material such as cardboard, stiff paper or the like, and more particularly to cartons or boxes of the type which are partitioned into compartments for eggs, fruit, jars and other containers. The object of the present invention is to provide a collapsible partitioned carton, the whole or predominating portion of which is formed from a single blank foldable in such manner as to be self-sustaining in carton or box-like form without necessarily adopting supplementary fastening devices such as staples or adhesive flaps or corner strips. Another object of this invention is to provide a partitioned collapsible carton or box suitable for accommodating a quantity of articles, e. g. a dozen or half-a-dozen eggs, in which in erecting the carton or box the action of interlocking integral elements of the blank to make the box self-sustaining also forms the partitions or some of the partitions appropriate to the compartments.

In order that this invention may be clearly understood and readily carried into effect one sheet of drawings is appended hereto illustrating embodiments thereof, and wherein:

Fig. 1 is a lay-out or plan view of a carton blank for the production of a one-piece compartmented carton suitable for the accommodation of articles which should be separated from each other, e. g. eggs.

Fig. 2 is a perspective view showing the blank folded into carton form, but with the lid parts open.

Fig. 3 is a transverse section of the carton showing the lid parts closed to form partitions.

Referring to the drawing the embodiment shown is particularly suitable for retailing eggs in cartons each containing six, the carton being a one-piece blank only. The blank has an oblong substantially central part 1 forming the base, two longitudinal side wall parts 2 with prolonged integral half-cover parts 3 and 4 and tuck-in longitudinal partition forming integral flaps 5 and 7 which, when the carton is folded for use intersect transverse partition forming parts 10 formed integral with end wall forming parts 8. One pair of partition parts 10 have notches 14 to interlock with notches 6 formed in the flap 5, and also notches 13 in which interlock latches or lugs 12 on the other partition parts 10 as shown in Fig. 2. Two pairs of slots 11 in the side walls 2 (and transverse in relation to the longitudinal direction of the base 1) afford

restricted openings for the insertion of the partition forming parts 10.

In erecting the blank shown in Fig. 1 into carton form, the side walls 2 are folded up from the base on two creases 1a, and the end wall parts 8 are folded up on the creases 8a, whereupon the partition parts 10 are folded on creases 9a to form the corners at the end walls, and upon further creases 10a to form two pairs of side panels 9 which stiffen the erected carton and afford increased protection for the goods inside the carton. The partition forming parts 10 can now be slid through the slots 11 in the inclined side walls 2 and the lugs 12 interlock with the notches 13. The carton now presents the appearance shown in Fig. 2, at which stage three eggs or other articles can be inserted against one side wall 2 and the half-over part 4 folded over the top of the carton on one of two creases 2a and its flap 5, folded on crease 5a, interlocked by its notches 6 with the notches 14 in the partition parts 10 to form a longitudinal partition. The remaining three articles are next inserted and the half-cover part 3 folded over on the appropriate crease 2a and its flap 7 folded on the crease 7a and inserted in the notches 14 close against the flap 5. Corner feet 15 can be formed to firmly support the carton, by stepping in as at 15b (see Fig. 1) the cuts 15a by which the parts 9 and 10 are separated from the side wall parts 2. By arranging the score lines 9a so that they diverge slightly, the feet of the box will be slightly splayed so that the boxes may be fitted one above the other, the feet of one engaging over the top edges of the other.

I claim:

1. A one-piece blank for forming a compartmented carton or box by folding, comprising a sheet of cardboard or other suitable readily foldable stiff or semi-stiff sheet material having an oblong substantially central base forming part adapted to form a one-piece or uninterrupted base strip the full length and width of the carton or box, transversely related end wall forming parts united integrally to the ends of said base forming part and extending forwardly and rearwardly beyond the front and rear edges of the base and foldable upwardly to form end walls wider than the base, two pairs of outer front and rear short wall parts integral with said end walls, partition forming parts extended from and integral with said short wall parts and adapted to be folded and directed transversely across the interior of the carton or box substantially parallel with said end walls, a pair of front and rear wall

forming parts integrally united to the base part and foldable upwardly on lines transverse in relation to the folding lines of said end walls, and integral extensions on both of said side wall forming parts adapted to be brought together at their free ends and engaged in the carton or box to form a top closure.

2. A compartmented carton or box made from a single blank of sheet material such as cardboard or other suitable foldable sheet material, comprising a rectangular base, upwardly and outwardly inclined front and rear walls, slots in said walls, end walls having a width greater than the width of said base, integral extensions of said end walls, the said extensions at the ends being foldable inwards of the box or carton at right angles to said end walls to form short outer vertical wall parts extending only partly along the carton or box, partition forming tongues formed on integral prolongation of said short outer wall part and adapted to be inserted in said slots and folded transversely across the interior of the car-

ton, and means to interlock the overlapping ends of the partition forming extensions.

3. A compartmented carton or box made from a single blank of sheet material such as cardboard or other suitable foldable sheet material, comprising a rectangular base, upwardly and outwardly inclined front and rear walls, vertical slots in said walls, end walls having a width greater than said base, and integral extensions of said end walls, the said extensions at the ends being foldable inwards of the box or carton at right angles to said end walls to form short outer wall parts extending only partly along the carton or box and parallel with the longitudinal edges of said front and rear walls, two pairs of partition forming parts integral with said outer wall parts and folded through said slots across the interior of the carton, and corner feet formed at the lower edges of said extensions and extending below the said base of the carton.

JOHN COLUMBA TORPEY DALY.