

Nov. 12, 1935.

F. E. STAPLEFORD

2,020,663

CARTON

Filed Dec. 24, 1934

2 Sheets-Sheet 1

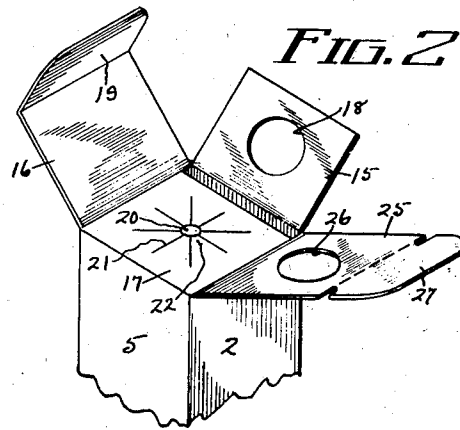
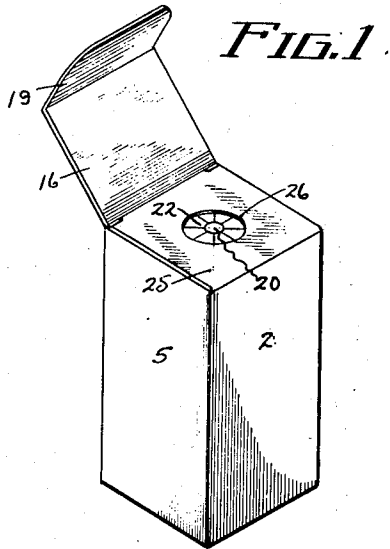
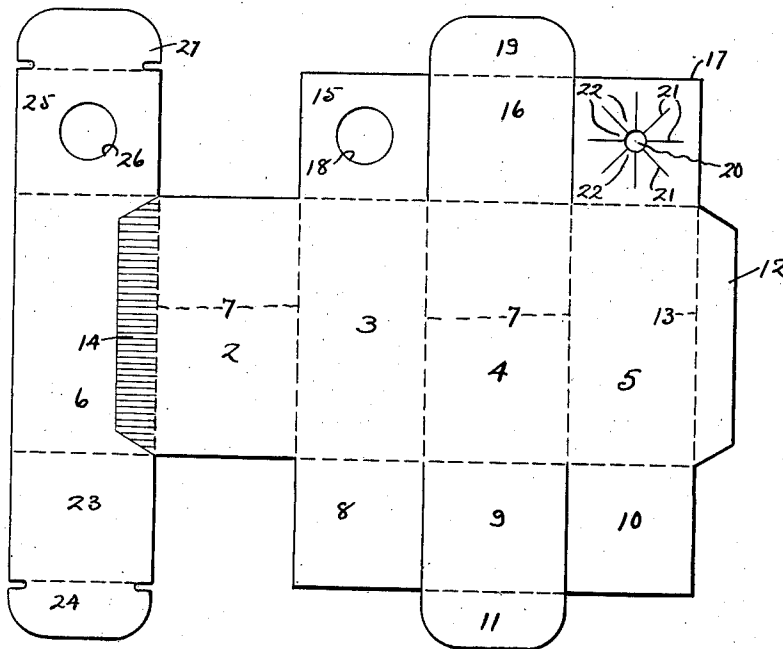


FIG. 3



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2 Sheets-Sheet 2

FIG. 4

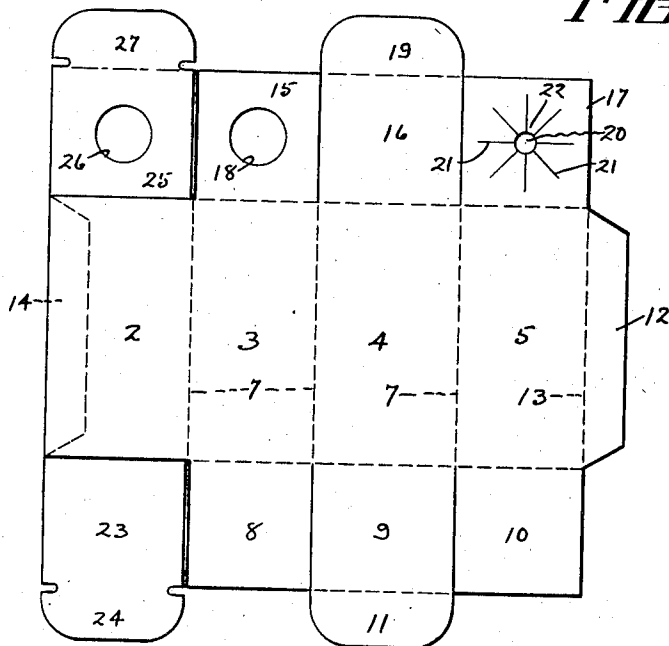


FIG. 5

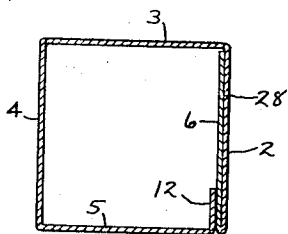
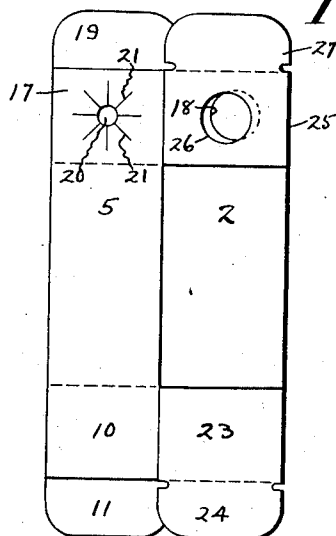


FIG. 6



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2,020,663

CARTON

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Application December 24, 1934, Serial No. 759,071

3 Claims. (Cl. 229-17)

This invention relates to cartons and particularly to cartons adapted to contain stranded cotton.

My invention is susceptible of many and varied uses, but the particular object thereof is to provide an improved carton for packaging and dispensing stranded cotton, or the like.

Another object is to provide an improved one piece dispensing carton which is made in a flat or collapsed condition to facilitate shipment thereof.

Yet another object is to provide an improved dispensing carton which is made from a single blank of cardboard, or the like, which is provided with a plurality of apertured closure flaps, one of which flaps is provided with resilient gripping fingers.

A fourth object is to provide a one piece dispensing carton of the character described which is provided with top and bottom closure flaps and an inside pocket adapted to receive one of said closure flaps.

Another object of the invention is to provide an improved one piece dispensing carton which may be shipped in a collapsed condition for subsequent erection for use as a dispensing container for cotton, or the like.

Other and more specific objects of the invention are mentioned and described herein.

The invention is illustrated in the accompanying drawings, wherein

Figure 1 is a perspective view illustrating the exterior appearance of the erected carton with the top closure flap open;

Figure 2 is a fragmental similar view showing the cotton gripping flap in operative position and the remaining flaps open;

Figure 3 is a plan view of the one piece blank from which my improved dispensing carton is made;

Figure 4 is a similar view of the blank partially folded;

Figure 5 is a section taken transversely through the erected carton body; and

Figure 6 is a plan view of the carton in the collapsed condition ready for packing and shipment.

Similar numerals of reference indicate like parts throughout the several views on the drawings.

While only one form of this invention is illustrated it may assume several or various forms. This carton invention, as illustrated, may include the four side, end, side and end walls 2, 3, 4 and 5, respectively, and the extra or pocket wall 6, all connected together and formed from a single

piece of cardboard, or other suitable material, said walls being bendable toward each other on score lines 7, 7 to facilitate a box-like erection of the carton. The one piece blank is illustrated in Fig. 3 and the erected carton in Fig. 1 of the drawings.

The carton walls 3, 4, 5 may be provided with integral bottom closure flaps 8, 9 and 10, respectively, and the flap 9 may be provided with an end fastener flap 11, all of said bottom flaps being bendable on suitable score lines, as is well known in the art.

The end wall 5 may be provided with an integral fastener flap 12 on the outer edge thereof which is bendable on the score line 13 and which is adapted to be glued to the area 14 of the pocket flap 6 after the latter has been folded against the reverse side of the side wall 2 which is the inside of the erected carton. The upper ends of the carton walls 3, 4 and 5 may be provided with the integral top flaps 15, 16 and 17, respectively, all of which are bendable on suitable score lines (well known in the art) toward their pertaining walls. The top flap 15 is provided with a circular hole 18, and flap 16 may be provided with a fastener flap 19, and flap 17 may be provided with a circular hole 20 from which a plurality of radial slits 21 extend to form a plurality of resilient gripping fingers on the flap 20. The extra, or pocket, flap 6 may be provided with the integral bottom closure flap 23 which may have an end fastener flap 24 thereon, the flap 23 being bendable on a suitable score line. The upper or top end of the pocket flap 6 may be provided with the integral flap 25 which has a circular opening 26 formed therein, and which may have the integral fastener flap 27 on its outer end, said flap 25 being bendable on a suitable score line, as is well known.

The collapsed carton is illustrated in the plan view in Fig. 6, and to effect such condition of the carton the extra or pocket wall 6 is bent on score line 7 to place it beneath the side wall 2 (Fig. 4) which, as stated is adjacent the inside surface of the wall 2, and in which arrangement of the parts the fastener flap 12, after folding the walls 2, 3, 4 and 5 on their respective score lines 7 to form a box-like unit, is glued to the area 14 of the wall 5.

The folded, or erected, condition of my improved carton may then be readily effected, which is the condition shown in Figure 1. It will be appreciated that the face of the wall 6 in either the collapsed or erected condition of the carton, is not glued to the inside adjacent surface of the

side wall 2, but is unattached thereto to provide an inside pocket 28, open at top and bottom thereof, to admit of the insertion of one of the top and bottom flaps, as herein described.

5 In closing the bottom of my improved dispensing carton the two flaps 8 and 10 are first folded into closure position and followed by the flap 23, the fastener flap 24 of the latter being then thrust into fastening position, that is, between the side
10 edges of the flaps 8 and 10 and the adjacent side wall 4. The closure flap 9 is then folded over the carton bottom and over flap 23, the fastener flap 11 of flap 9 being thrust into the lower end of the pocket 28 between the walls 6 and 2.

15 To close the upper end of the erected carton the flap 17 is folded inward initially, followed by the flap 15 above the former, the flap 15 being then overlaid by the apertured flap 25 whose fastener flap 27 is thrust into the carton interior
20 between the side edges of the flaps 15 and 17 and the adjacent side wall 4. In this condition of the invention the hole 20 in flap 17 and gripping fingers 22 are exposed and accessible through the holes 18 and 26, and stranded cotton packed in
25 the carton in any suitable manner may be readily extracted in any suitable quantity through the orifice effected by the opening 20 and the resilient fingers 22.

Inasmuch as the resilient fingers 22 always
30 hold the cotton strand sufficiently snugly it is an easy matter to manually remove small tufts, or portions, from the cotton strand, although any desired quantity of the cotton may as readily be extracted from the carton. To seal the carton
35 the top closure flap 16 is folded over the carton top and its fastener flap 19 is thrust into the pocket 28 between the adjacent unattached walls 6 and 2. It will be evident from the foregoing that my improved dispensing carton enables
40 ready extraction of stranded cotton through the openings 26, 18 and 20, which register with each other, after opening the closure flap 16, and that the cotton is securely confined within the carton by the flaps 15, 17, 25 and 27 at all times while
45 such cotton extraction is being effected.

It is understood that I do not wish to be limited to the specific structure of this invention, as illustrated, same being merely by way of illustration, and not limitation, as other forms of the
50 carton will no doubt be apparent to persons skilled in this art without departure from the spirit of the invention or the scope of the claims.

I claim:—

55 1. A one piece carton including regular side and end walls and an additional side wall adapted to be folded against one of the regular side walls to

provide a pocket for a closure flap, said additional side wall being provided with a closure flap at each end thereof, one of said closure flaps being centrally apertured, one of said end walls being provided with a closure flap at each end thereof, one of which closure flaps is centrally apertured for registration with the aperture in said additional side wall closure flap, said other end wall being provided with a flap at each end thereof, one of said flaps being provided with a plurality
10 of resilient gripping fingers adapted to be overlaid by both of said apertured closure flaps, one of said side wall closure flaps being adapted to engage over both of said centrally apertured closure flaps.

2. A one piece carton including regular side and end walls and an additional side wall adapted to be folded against one of the regular side walls to provide a pocket for a closure flap, said additional side wall being provided with a closure flap
20 at each end thereof, one of said closure flaps being centrally apertured, one of said end walls being provided with a closure flap at each end thereof, one of which end wall closure flaps is centrally apertured for registration with the aperture in
25 said additional side wall closure flap, said remaining end wall being provided with a closure flap at each end thereof, one of which remaining end wall closure flaps is provided with a plurality of resilient gripping fingers which are adapted to
30 be overlaid by both of said centrally apertured closure flaps, and one of said regular side walls being provided with a closure flap at each end thereof, one of which last mentioned closure flaps is adapted to overlap both of said centrally apertured closure flaps.

3. A one piece carton blank having four regular side and end walls and an additional side wall formed adjacent one of the regular side walls, one of said regular end walls having an integral
40 flap at each end thereof and an integral side marginal fastener flap, one of said end wall end flaps being formed with a plurality of integral gripping fingers, said other regular end wall being provided with an integral flap at each end thereof, one of
45 which last mentioned end wall flaps is centrally apertured, one of said regular side walls being formed with an integral closure flap at each end thereof, each of said last mentioned closure flaps having an integral fastener flap, and said additional side wall having an integral closure flap at
50 each end thereof, each of said last mentioned closure flaps having an integral end fastener flap, and one of said closure flaps for said additional side wall being centrally apertured.

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