

Nov. 8, 1927.

1,648,074

C. M. STICHT
DISPENSING CARTON

Filed Oct. 10, 1924

2 Sheets-Sheet 1

FIG. 1.

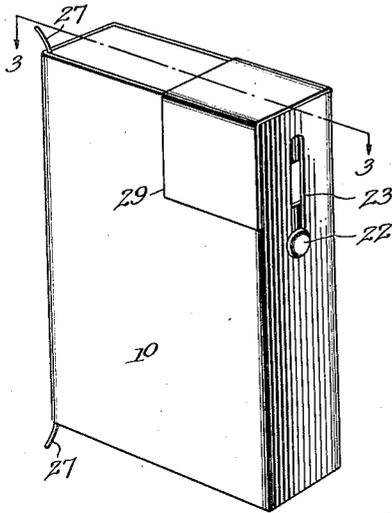


FIG. 2.

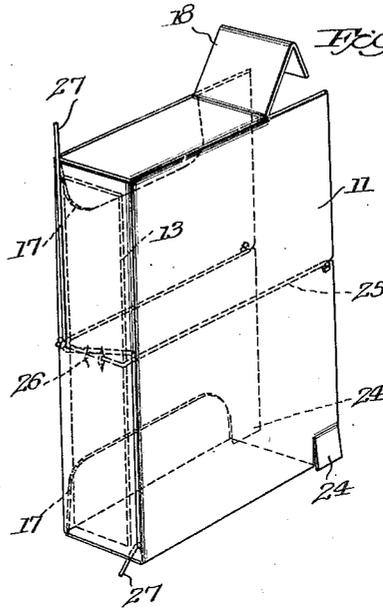


FIG. 3.

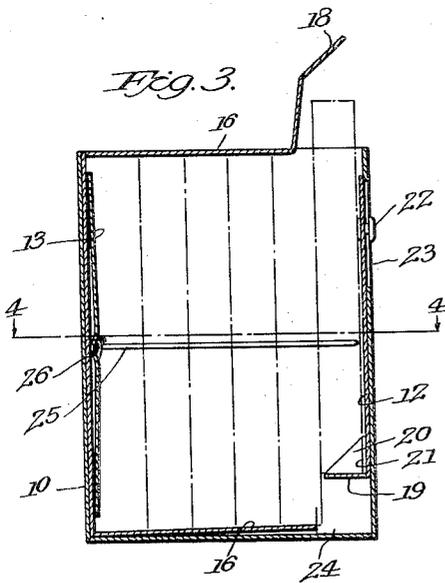
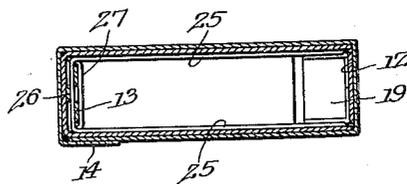


FIG. 4.



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2 Sheets-Sheet 2

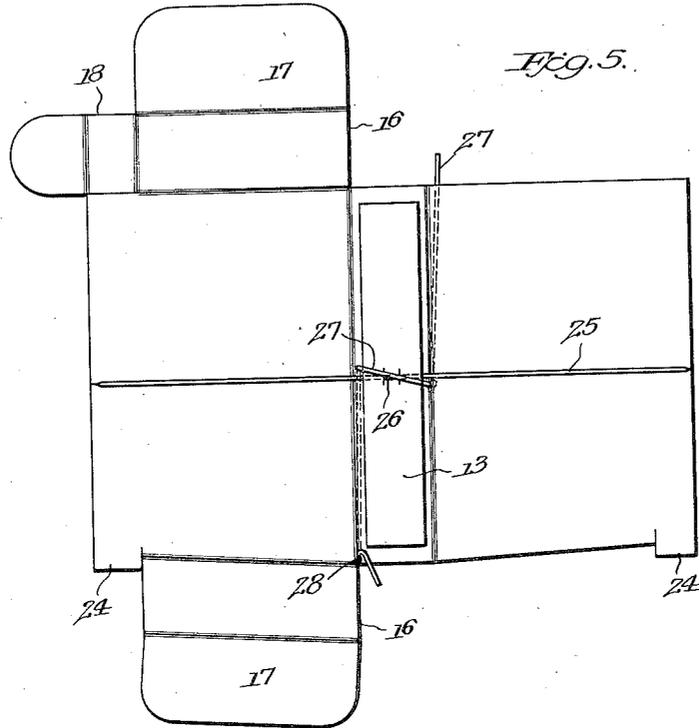


FIG. 5.

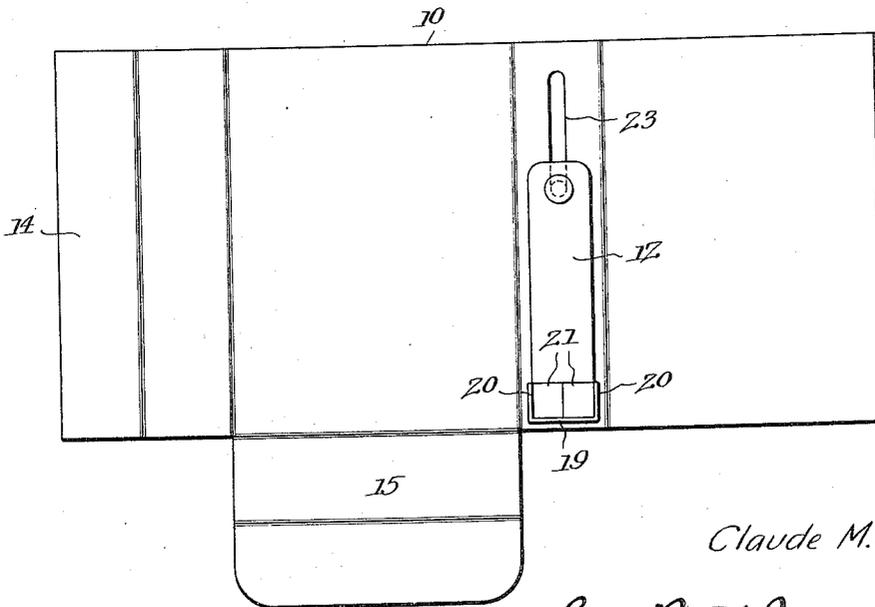


FIG. 6.

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UNITED STATES PATENT OFFICE.

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DISPENSING CARTON.

Application filed October 10, 1924. Serial No. 742,827.

My invention aims to provide an improved dispensing carton or package particularly adapted for dispensing cigarettes and the like.

5 In the drawings wherein I have shown one illustrative embodiment of my invention;

Fig. 1 is a perspective view of my improved carton;

10 Fig. 2 is a perspective view of the preferred form of inner holder for the cigarettes;

Fig. 3 is a vertical section taken on the line 3—3 of Fig. 1, showing the dispensing

15 ejector in moved position;

Fig. 4 is a transverse section taken on the line 4—4 of Fig. 3;

Fig. 5 is a side elevation of a blank which is suitable for making the inner holder, showing also the follower assembled there-

20 with; and, Fig. 6 is a side elevation of a blank suitable for making the outer sheath of my improved carton, the ejector being also

25 shown assembled thereon. Referring more particularly to the drawings, the cigarette box embodying my invention there shown comprises an outer sheath 10 of suitable shape forming the enveloping cover for an inner holder or container 11

30 (see Fig. 2) carrying the articles to be dispensed, and a movable ejector 12 associated with the sheath and holder for dispensing the contents of the container. Also, my invention contemplates the provision of an improved follower 13 (see Fig. 3) adapted to force the contents of the inner holder into dispensing position, so that the desired number of the articles may be ejected by a simple manipulation of the ejector.

As best shown in Figs. 1 and 6 the outer sheath or casing 10 is preferably made of one piece of material, stiff paper for example, suitably shaped to form a blank (see

45 Fig. 6), and the blank is creased or scored along the lines separating the sides to provide for forming the longitudinal edges. The narrow portion or strip 14 of the blank (seen at the left in Fig. 6) is adapted to be folded over the opposite free edge of the blank and cemented or otherwise secured thereto, thereby forming a continuous outer wall or sheath. At the lower end of one side wall of the sheath I have shown an integral

50 flap 15 scored to fold into the boxlike sheath. The completed sheath or casing 10 thus com-

prises four sides and one end constituting a box having a closed lower end and an open upper end.

The inner holder or container 11 for the 60 articles to be dispensed (shown in Fig. 2) preferably comprises three sides and two ends forming a box closed at its ends and open at one narrow side (see Figs. 2 and 3 showing the open side at the right). This 65 box is of such size that it can slide into the open end of the sheath 10. The holder 11 is also preferably made of a single sheet of stiff paper or blank (shown in Fig. 5) suitably shaped to form three sides and two 70 ends, and is scored along the lines separating the sides to provide for folding upon its longitudinal edges. The ends 16 are preferably disposed at the opposite ends of that portion forming one of the side walls, and 75 are provided with integral flaps 17 properly scored to fold over the edge of the opposite side wall so that the folded-in portions will lie between the outside walls of the holder 11 and the inside walls of the sheath 10. 80

The holder 11 is preferably so constructed that cigarettes, for example, may be dispensed from it at one side of the box, one or more at a time, until the box is empty; and the ejecting means is provided on the 85 sheath 10 to facilitate this operation. To this end I have shown (see Figs. 2, 3 and 5) the upper end 16 of the holder having a folding flap 18 of sufficient width to permit the desired number of cigarettes (two in the 90 example shown) to be ejected at one time. The lower end of the holder is advantageously cut away opposite the flap 18. The holder is arranged to present its end having the flap 17 in the open end of the sheath. 95 The ejector 12 is preferably slidably associated with the wall of the sheath adjacent the flap 18 and has a foot piece 19 of a width sufficient to engage the lower ends of the desired number (two) of cigarettes and 100 force them out through the opening made by lifting the flap 18 into position to be grasped by the user (see Fig. 3).

I have shown my improved ejector 12 (see Fig. 6) as being made of a single piece of 105 stiff paper, and the foot piece 19 is strengthened by side brackets 20 preferably formed by bent-up integral flanges secured to the vertical strip by any suitable means such, for example, as the tabs 21, glued to the face of 110 the strip. Thus, the side flanges 20 not only form braces for the foot piece but also pro-

vide a pocket to receive the ends of the cigarettes to be ejected. The vertical strip of the ejector preferably has a suitable finger piece or push button 22 projecting through
 5 a vertical slot 23 in the wall of the sheath to provide convenient means for manipulating it. The cut-away portion of the bottom wall or end of the holder provides a pocket to receive the foot piece (see Figs. 3 and 5).

10 This cut-away bottom wall construction, the end being of less width than that of the side of the holder, is advantageous in that it permits the bottom to be inclined upwardly toward the ejector (from left to right in Fig.

15 3) so that the end nearest the ejector is slightly above the foot piece. Thus, the cigarettes upon being transferred laterally within the container to the foot piece, may slide freely without striking the edge of it.

20 To provide for this, the bottom of each side wall of the blank for the holder is preferably either cut or scored along a sloping line extending nearly to its free edge (as clearly shown in Fig. 5), leaving tabs 24 at the free
 25 edges of the side walls to form supports to rest on the bottom wall of the sheath 10. If desired, these tabs may be bent slightly outwardly as shown in Fig. 2, to insure unobstructed movement of the foot piece 19 of
 30 the ejector from the bottom of the holder.

The follower 13 for forcing the cigarette into ejecting position is conveniently made of a strip of stiff paper or cardboard (see
 35 Fig. 5) of sufficient width to engage one or more rows of cigarettes. For actuating the follower I have shown an elastic cord 25 suitably connected at its ends to side walls of the holder at their free edges. This cord may conveniently be secured by slitting the
 40 walls and forcing knotted ends of the cord in the slits, and may be connected at its middle portion to the follower by threading it through slits 26 midway of the length of the follower. An ordinary needle or other
 45 equivalent implement may conveniently be employed for this purpose. Thus, the elastic cord remains under tension until the follower has forced all of the cigarettes in succession into position to be engaged by the
 50 ejector.

To hold the follower while the carton is being filled, and also to relieve the contents of pressure possibly sufficient to cause damage before they are actually used, I have
 55 shown a restraining string 27 for securing it against the wall of the holder opposite the open side. The string is preferably knotted intermediate its ends and threaded through the wall of the holder adjacent the opposite
 60 edges of the follower and engages the inner side of the follower, as shown in Fig. 5. The knotted portion prevents the string from being pulled through the wall in one direction, and to hold it in the other direction, the lower end of the string is preferably in-

serted in a small slit at one edge of the holder, thereby holding the follower under tension. Both ends of the string preferably project through the outer sheath at the ends, so that when it is desired to release the fol-
 70 lower, the lower end of the string may readily be disengaged from the slit 28 and the string may be pulled out through the upper end.

To seal the package I prefer to stick the
 75 usual revenue stamp 29 over the closure flap 18, as shown in Fig. 1. The stamp must be cut along the edges of the flap to permit it to be opened. The uncut portion of the stamp will serve to maintain the holder within the
 80 sheath.

Obviously, my invention is not limited to the particular embodiment herein shown and described.

What I claim and desire to secure by Let-
 85 ters Patent is:

1. A dispensing carton for cigarettes and the like comprising, in combination, a sheath, a holder in said sheath having an open side and a dispensing opening in one
 90 end adjacent the open side, an ejector for forcing cigarettes through the dispensing opening, and means for forcing the cigarettes laterally into dispensing position including a follower and an elastic cord se-
 95 cured to the follower and to the sides of the holder adjacent the open side, said cord being normally under tension.

2. A dispensing carton for cigarettes and the like comprising a sheath having a closed
 100 end, a holder within the sheath having a dispensing opening at the end of the carton opposite said closed end, an ejector for forcing cigarettes through said dispensing opening adjacent one wall of the sheath and means
 105 for forcing the cigarettes laterally into ejecting position, said holder having an inclined bottom cut away to present a pocket for the ejector between the bottom of the holder and the end wall of the sheath whereby to
 110 provide for unobstructed lateral movement of the cigarettes.

3. A dispensing carton for cigarettes and the like comprising a sheath having a closed
 115 end, a holder within the sheath having a dispensing opening at the end of the carton opposite said closed end, an ejector for forcing cigarettes through said dispensing opening adjacent one wall of the sheath, means
 120 for forcing the cigarettes laterally into ejecting position, said holder having an inclined bottom cut away to present a pocket for the ejector between the bottom of the holder and the end wall of the sheath whereby to
 125 provide for unobstructed lateral movement of the cigarettes, and outwardly bent projections on said holder on opposite sides of said ejector adapted to rest on the bottom wall of the sheath and to provide a guide for the ejector.

4. In a dispensing carton for cigarettes having an ejector and a follower normally forcing the cigarettes laterally into ejecting position, means for holding the follower inactive while the carton is being filled, comprising a string secured to the walls of the carton and embracing the follower, said string adapted to be pulled out of one end of the carton to release the follower.

5. A holder for article dispensing cartons comprising a blank sheet of cardboard or the like scored to be bent into box form with substantially rectangular side and edge walls, one side portion presenting a tab along a part of its width and being scored on a line at a small angle to the side edge to provide an inclined bottom end wall when it is folded, and the opposite edge of said side portion presenting a closure tab throughout its width cut and scored along lines at

right angles to each other whereby to provide separately hinged portions for the top end of the holder when said tab is folded down.

6. In a dispensing carton, a holder of box-like form having opposite, substantially rectangular side walls and a connecting edge wall, a bottom wall extending only partially across the width of the side walls and inclined from one side edge thereof toward the opposite edge to provide a step-down pocket at the bottom of the opposite side edge, and a closure for the upper end of said holder having a hinged flap portion opposite said step-down pocket portion to provide a dispensing opening in the completed carton.

In testimony whereof, I have signed my name to this specification.

CLAUDE M. STICHT.