May 7, 1963 E. C. CAMPBELL, JR 3,088,641

DISPENSING CONTAINER FOR ROLLED PAPER

Filed Jan. 15, 1962 2 Sheets-Sheet 1

Fig. 1.

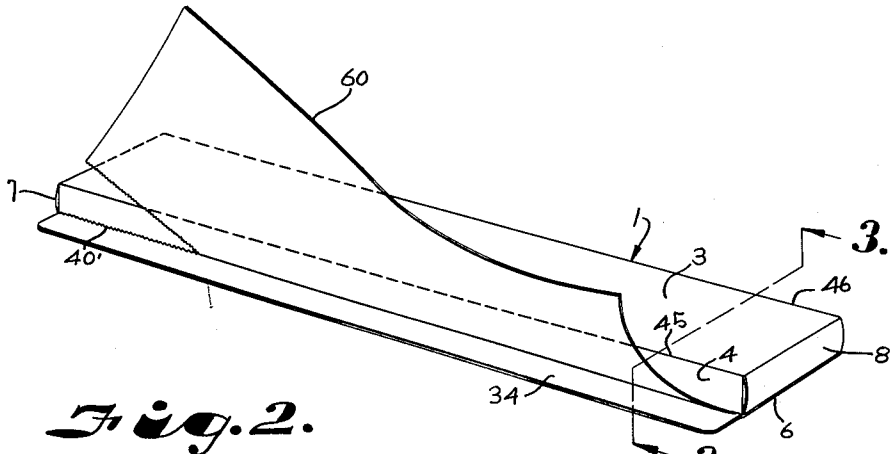


Fig. 2.

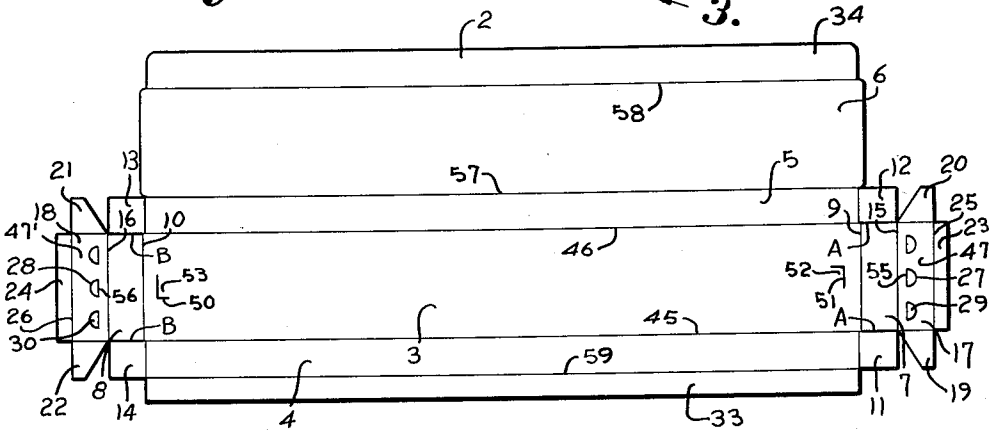
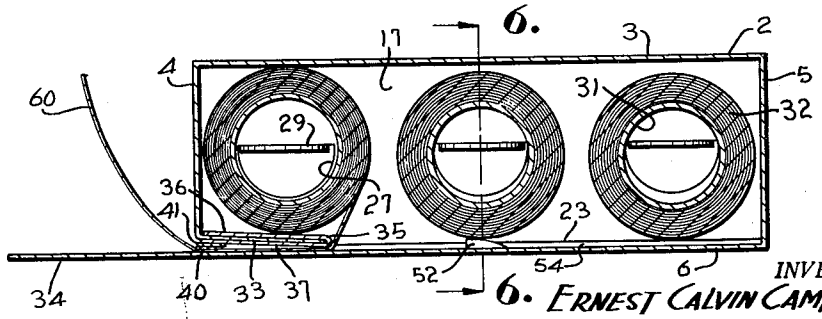


Fig. 3.



INVENTOR.
6. ERNEST CALVIN CAMPBELL JR.
BY
Fishburn & Gold
ATTORNEYS

May 7, 1963 E. C. CAMPBELL, JR 3,088,641

DISPENSING CONTAINER FOR ROLLED PAPER

Filed Jan. 15, 1962 2 Sheets-Sheet 2

Fig. 4.

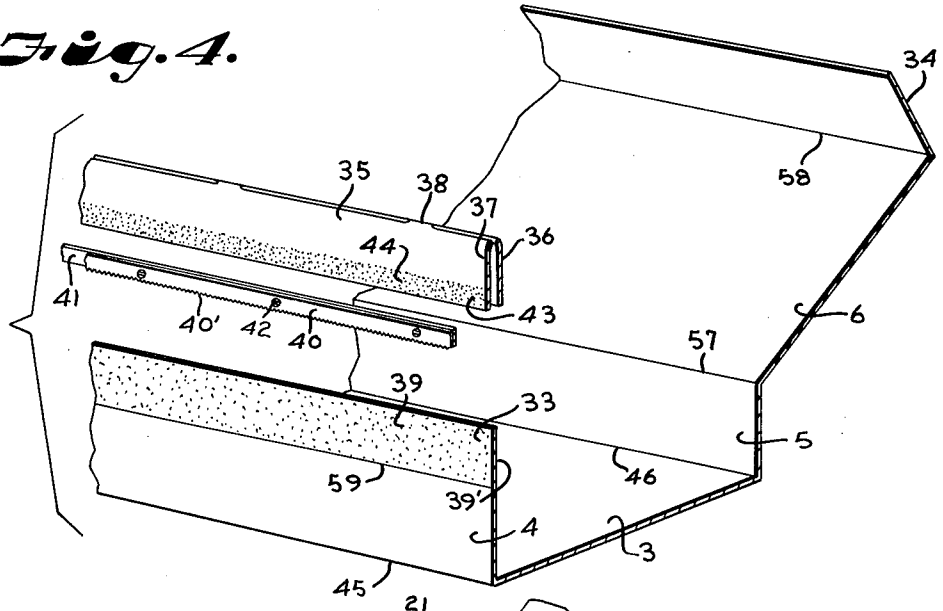


Fig. 5.

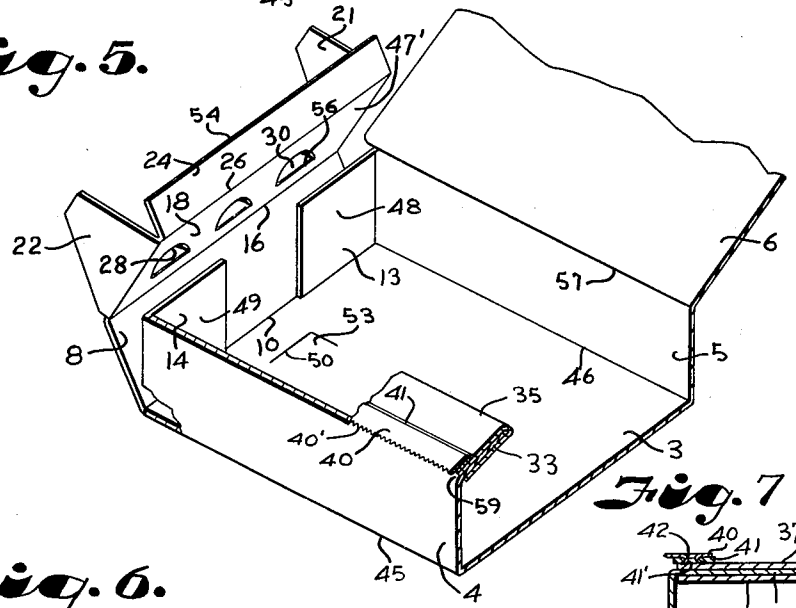


Fig. 7

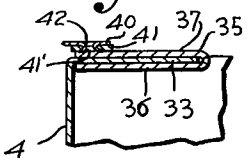
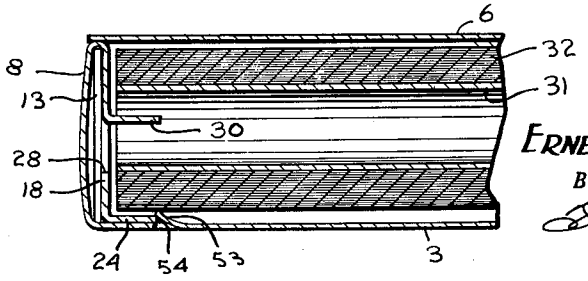


Fig. 6.



INVENTOR.
ERNEST CALVIN CAMPBELL JR.
BY
Fishburn and Gold
ATTORNEYS

United States Patent Office 3,088,641 Patented May 7, 1963

3,088,641

DISPENSING CONTAINER FOR ROLLED PAPER

Ernest Calvin Campbell, Jr., New Rochelle, N.Y., assignor to Hallmark Cards, Incorporated, Kansas City, Mo., a corporation of Missouri

Filed Jan. 15, 1962, Ser. No. 166,244
10 Claims. (Cl. 225—43)

This invention relates to dispensing cartons, and more particularly to cartons of the type for containing rolls of paper and which may be dispensed from the carton in web form and containing a serrated cutting edge extending horizontally with the top of the container and whereby the container is turned upside down to form a straight edge along which the paper may be torn by pulling upwardly against the serrated edge.

Heretofore, various dispensing cartons have been made to cardboard and the like, wherein the paper is dispensed from the roll through a slot in the top thereof or through the side edge whereby the cutting edge on the carton extends in a vertical manner along the side walls or even the top thereof whereby the paper is torn by pulling downwardly on the paper alongside of the carton.

In dispensing long rolls of paper, such as decorative wrapping paper and other wrapping papers, difficulty has been encountered in tearing the paper along a straight line due to the fact that by pulling downwardly on the paper in a vertical manner over a vertical cutting edge the side of the carton will bend due to insufficient stiffness in the cardboard and thereby the paper will not be severed in a straight line.

It is the principal object of the present invention to provide a carton for housing a roll of paper wherein there is provided a top member for the carton for insertion of the roll in the carton and wherein one side wall of the box or carton has a serrated cutting edge lying horizontally with the top of the carton and whereby the top has a flap portion extending over the serrated cutting edge when in normal position and when the paper is to be dispensed, the free edge thereof is pulled outwardly through the open top and carton turned over on its top so that the flap on the top will lie outwardly from the side of the carton and pressure by one hand on the bottom of the carton will cause the serrated edge to be pressed against the top of the carton to hold the serrated edge firmly therebetween and the paper is cut by pulling upwardly against the serrated edge thereby cutting the same in a straight line.

Other objects of the present invention are to provide a carton from a one-piece blank of paper for forming a bottom, top, side and end walls and a partial flap portion on one side of the wall and fastening a serrated cutting member thereto to lie in a horizontal manner on the flap structure; to provide the top member with a flap extension to lie alongside one of the side members which carries the serrated cutting edge when the carton is closed; to provide the end portions of the carton with score lines on a line with the ends of the sides of the carton; to provide a score line spaced from the first score line outwardly therefrom and another score line spaced from the second score line providing an end flap of the same length as the width of the bottom of the carton; to provide tabs on the end extension of a width equal to the sides of the caron; to provide the end portion of the extension with tongues substantially triangular-shaped of a width equal to the tabs on the ends of the sides of the carton, which when folded inwardly will aid in acting as a locking member to retain the carton in roll-receiving position; to provide the extension fold portion of the end of the carton with a plurality of cut portions forming tabs extending inwardly toward the other end member for mounting a roll of paper in the carton between the end members;

to provide a flap on one of the side members for receiving a reinforcing strip and for mounting a cutting blade thereon which will lie in a horizontal position along the top member when the paper is being torn from the roll; to provide locking means on the ends of the blank for holding the carton in formed relation, and to provide a device of this character simple and economical to manufacture.

Other objects and advantages of this invention will become apparent from the following description taken in connection with the accompanying drawings wherein are set forth by way of illustration and example certain embodiments of this invention.

FIG. 1 is a perspective view of the carton shown in paper dispensing relation.

FIG. 2 is a plan view of the blank from which the carton is made.

FIG. 3 is a cross-sectional view through the carton with the rolls of paper mounted therein.

FIG. 4 is an enlarged fragmentary view with the flap on the side member and the reinforcing and cutting edge shown in disassembled relation.

FIG. 5 is an enlarged fragmentary view showing how the ends of the carton are folded in locking position.

FIG. 6 is a cross-sectional view showing the roll of paper and the end members in locking position with the tongue therein shown in the core of the roll of paper.

FIG. 7 is an enlarged cross-sectional view illustrating the fastening of the cutting member to the strip backing.

1 designates a carton embodying the features of this invention made from a blank paper or cardboard material **2** comprising a bottom **3** with a front side wall **4**, a back side wall **5**, a cover **6** and ends **7** and **8**. The front and back side walls **4** and **5** and the bottom have transverse score or creased lines **9** and **10** and the front and side walls **4** and **5** have extension members or tabs **11**, **12** and **13** and **14** of a length equal to the ends **7** and **8**. The ends **7** and **8** have score lines **15** and **16** spaced from the score lines **9** and **10** and forming rectangular extension members **17** and **18** provided with laterally or outwardly extending tabs **19** and **20** and **21** and **22** for aiding in locking the end members in carton forming relation, as later described. Flaps **23** and **24** extend outwardly from the rectangular members **17** and **18** and are separated by score or crease lines **25** and **26** which also form part of the end members, as later described.

The rectangular portions **17** and **18** of the ends of the carton have a plurality of spaced semi-circular cut portions as indicated at **27** and **28** forming a plurality of tabs **29** and **30** in the respective ends of the box as particularly illustrated in FIG. 3 for engaging in the core **31** of rolls of paper **32**, also illustrated in FIG. 3.

The front side wall **4** is provided with a side flap **33** and the top **6** is provided with an extension flap **34**. The side flap **33** is provided with a reinforcing member **35** of paper or cardboard or the like of substantially U-shape having legs **36** and **37** joined by connecting tabs **38**. Both sides of the flap **33** are provided with adhesive as indicated at **39** and **39'** and the U-shape reinforcing member **35** straddles the flap **33** and is adhesively secured thereto.

To provide a cutting edge for severing sheets of paper from the roll in the container, a cutter member **40** is provided made from a strip or sheet of metal having a serrated edge **40'**. The strip of metal is attached to a piece of cardboard or the like **41** and is the same length as the flap **33** on the front side wall **4**. The cutting strip is fastened to the strip **41** by staples **41'** in spaced relation as indicated at **42** (FIG. 7) which cuts out an opening in the metal strip, and the edges are extended through the strip **41** and turned outwardly away from each other to form a brad to retain the metal strip on the cardboard strip **41**.

The cardboard strip is then secured to the edge 43 of the leg 37 of the stiffening member 35 by adhesive or the like as indicated at 44 (FIG. 4).

The carton here illustrated is capable of holding three rolls of paper, although the invention is not limited to three rolls, as one or more may be used without departing from the spirit of the invention.

When the cardboard blank, as shown in FIG. 2, is cut and creased as described the side walls are bent on the score lines 45 and 46 to form the side walls 4 and 5 so that they will stand in a parallel position with respect to the bottom 3. The extensions 11 and 12 and 13 and 14 on the front and back side walls 4 and 5, which are severed from the ends 7 and 8 by cuts as indicated at A and B (FIG. 2), are then turned inwardly facing each other as shown in FIG. 5, the ends 7 and 8 being turned upwardly on the fold lines 9 and 10 of the bottom 3. The rectangular shaped portions 17 and 18 of the end members are then bent or folded inwardly toward each other on the fold lines 15 and 16 also as shown in FIG. 5 so that the faces 47 and 47' thereof will lie against the faces 48 and 49 of the tabs 11 and 12 and 13 and 14. The tabs 23 and 24 extending from the rectangular-shaped portions 17 and 18 of the end members are then bent or folded on the crease lines 25 and 26 outwardly away from the faces 47 and 47' of the rectangular members as shown in FIG. 5 so that when the faces 47 and 47' are lying against the faces 48 and 49 of the end tabs, the said end tabs or flaps 23 and 24 will lie on the bottom 3 of the container as illustrated in FIG. 6 and the tongues 19, 20 and 21 and 22 will lie along the inside of the front and back side walls 4 and 5. The bottom 3 is provided near the score lines 9 and 10 with L-shaped cut portions 50 and 51 to form tabs 52 and 53 which are raised to engage the edge 54 of the end tabs 23 and 24 as illustrated in FIG. 6 to hold the end members in folded and formed relation and locked in place.

The tongues 29 and 30 in the respective end members are then folded outwardly on the lines 55 and 56 so that the tabs will enter the core 31 of the roll 32 as shown in FIG. 3 to hold the same in relative position in the container.

After the rolls of paper 32 have been placed in the container the cover 6 is folded on the fold line 57 and the flap 34 is folded on the fold line 58. The flap 33 is folded on the fold line 59 to lie over the open top portion of the box as illustrated in FIG. 5. It will be noted that when in this position, the flap 33 along with the serrated cutting member 40 will be in a horizontal position lying on a plane with the top edges of the carton and the open top thereof with the serrated cutting edge 40' extending slightly outwardly of the front side wall 4. When the cover 6 and flap 34 is folded over the open top the flap 34 will cover the serrated cutting edge and lie down alongside of the front side wall 4 and may be secured thereto by any convenient means, such as Scotch tape or the like when the carton is filled.

When it is desired to tear a piece of paper from one of the rolls 32, the top is opened so that the free edge 60 of the roll of paper may be grasped by the hand and pulled outwardly over the flap 33 and cutting strip 40. The carton is then turned upside down with the top on a table or other supporting surface and the flap 34 extended in an outward position therefrom as shown in FIG. 3. The hand is placed at substantially the center of the box to press the cutting strip against the underneath side of the cover 6 and hold the same firmly thereagainst with the paper extending between the cutter and the top as illustrated in FIG. 3. The paper may then be grasped by the other hand of the user and by pulling upwardly the paper is severed in a straight line, as illustrated in FIG. 1. The pressure of the hand on the bottom of the box against the paper will prevent bending or swaying of the cutting edge during the tearing operation and thereby assure severing the paper in a straight line.

It will be noted the cover 6 is slightly longer than the bottom and side walls so that when the carton end members are folded the cover will lie substantially flush with the end members as illustrated in FIG. 6.

It will be obvious from the foregoing that with this invention there is provided an apparatus for dispensing paper in long rolls from cartons and tearing a desired portion of the same from the roll in a straight line and in a manner heretofore unknown.

It is to be understood that while I have illustrated and described one form of my invention, it is not to be limited to the specific form or arrangement of parts herein disclosed and shown except insofar as such limitations are included in the claims.

I claim:

1. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:
   (*a*) a sheet of paper material so cut and folded as to provide front and back walls and end members of a carton,
   (*b*) an integral cover for said carton extending from said back wall into overlying relation to said front wall,
   (*c*) a flap on said front wall,
   (*d*) and a cutting member fixed on said front wall flap and having a cutting edge adjacent said front wall, said flap and cutting member when the carton is formed lying horizontally over the carton underneath said cover and said cutting edge facing outwardly from the carton,
   (*e*) whereby when said carton is turned on its cover and said sheet of paper is drawn between said cover and said cutting member pressure applied on the bottom of the carton will hold said sheet between the top and said cutting edge and upward pull on the sheet of paper against said cutting edge will sever the same.

2. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:
   (*a*) a sheet of paper so cut and folded as to provide front and back walls and end members of a carton,
   (*b*) an integral cover for said carton extending from said back wall into overlying relation to said front wall,
   (*c*) a flap on said front wall,
   (*d*) a reinforcing member mounted on said flap in overlying relation thereto,
   (*e*) a cutting member having a cutting edge on said reinforcing member, said flap, reinforcing member and cutting member when the carton is formed lying horizontally over the carton underneath said cover and said cutting edge being adjacent said front wall and facing outwardly from the carton,
   (*f*) whereby when said carton is turned on its cover and said sheet of paper is drawn between said cover and said cutting member pressure applied on the bottom of the carton will hold said sheet between the top and said cutting edge and upward pull on the sheet of paper against said cutting edge will sever the same.

3. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:
   (*a*) a sheet of paper material so cut and folded as to provide front and back walls and end members, said end members having extension portions when folded forms a double wall for the end members, said front and back walls having tabs connected thereto by transverse fold lines and adapted when folded on said lines to face inwardly toward each other alongside end members, said extension portion of the end members having tongues connected by fold lines adapted to fold inwardly and lie alongside said front and back walls and end flaps on said extension portions adapted to fold at right angles to said extension portion and lie on said bottom,

(*b*) an integral cover for said carton and having a portion to overlie said front wall,

(*c*) a flap on said front wall,

(*d*) a cutting member having a cutting edge on said flap, said flap and cutting member when the carton is formed lying horizontally over the carton underneath said cover and said cutting edge being adjacent said front wall and facing outwardly from the carton,

(*e*) whereby when said carton is turned on its cover and said sheet of paper is drawn between said cover and said cutting member pressure applied on the bottom of the carton will hold said sheet between the cover and said cutting edge and upward pull on the sheet of paper against said cutting edge will sever the same.

4. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:

(*a*) a sheet of paper material so cut and folded as to provide front and back walls and end members, said end members having extension portions when folded forms a double wall for the end members, said front and side walls having tabs connected thereto by fold lines and adapted when folded on said lines to face inwardly toward each other alongside said end members, said extension portion of the end members having tongues connected by fold lines adapted to fold inwardly and lie alongside said front and back walls and end flaps on said extension portions adapted to fold at right angles to said extension portion and lie on said bottom,

(*b*) an integral cover for said carton and having a portion to overlie said front wall,

(*c*) a flap on said front wall and having an outer face,

(*d*) a reinforcing member on said flap in overlying relation to said outer face,

(*e*) a cutting member having a cutting edge on said reinforcing member, said flap, reinforcing member and cutting member when the carton is formed lying horizontally over the carton underneath said cover and said cutting edge being adjacent said front wall and facing outwardly from the carton,

(*f*) whereby when said carton is turned on its cover and said sheet of paper is drawn between said cover and said cutting member pressure applied on the bottom of the carton will hold said sheet between the cover and said cutting edge and upward pull on the sheet of paper against said cutting edge will sever the same.

5. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:

(*a*) a sheet of paper material so cut and folded as to provide front and back walls and end members, said end members having extension portions when folded forms a double wall for the end members, said front and side walls having tabs connected thereto by fold lines and adapted when folded on said lines to face inwardly toward each other alongside said end members, said extension portion of the end members having tongues connected by fold lines adapted to fold inwardly and lie alongside said front and back walls and end flaps on said extension portions adapted to fold at right angles to said extension portion and lie on said bottom,

(*b*) an integral cover for said carton,

(*c*) a flap on said front wall,

(*d*) a reinforcing member for said flap,

(*e*) a cutting member having a cutting edge on said reinforcing member, said flap and cutting member when the carton is formed lying horizontally over the carton underneath said cover and said cutting edge facing outwardly from the carton,

(*f*) and means on said end members for retaining said roll of paper in said carton,

(*g*) whereby when said carton is turned on its cover and said sheet of paper is drawn between said cover and said cutting member pressure applied on the bottom of the carton will hold said sheet between the cover and said cutting edge and upward pull on the sheet of paper against said cutting edge will sever the same.

6. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:

(*a*) a sheet of paper material so cut and folded as to provide front and back walls and end members, said end members having extension portions when folded forms a double wall for the end members, said front and side walls having tabs connected thereto by fold lines and adapted when folded on said lines to face inwardly toward each other alongside said end members, said extension portion of the end members having tongues connected by fold lines adapted to fold inwardly and lie alongside said front and back walls and end flaps on said extension portions adapted to fold at right angles to said extension portion and lie on said bottom,

(*b*) an integral cover for said carton,

(*c*) a flap on said front wall,

(*d*) a reinforcing member for said flap,

(*e*) a cutting member having a cutting edge on said reinforcing member, said flap and cutting member when the carton is formed lying horizontally over the carton underenath said cover and said cutting edge facing outwardly from the carton,

(*f*) and tongue means on said end members engaging said rolls of paper for retaining said roll of paper in said carton,

(*g*) whereby when said carton is turned on its cover and said sheet of paper is drawn between said cover and said cutting member pressure applied on the top of the carton along said cutting edge and the sheet of paper pulled upwardly against said cutting edge to sever the same.

7. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:

(*a*) a sheet of paper material so cut and folded as to provide front and back walls and end members, said end members having extension portions attached thereto by fold lines and when folded forms a double wall for the end members, said front and back walls having tabs connected thereto by transverse fold lines and adapted when folded on said lines to face inwardly toward each other alongside said end members, said extension portion of the end members having tongues connected by fold lines adapted to fold inwardly and lie alongside said front and back walls,

(*b*) end flaps on said extension portions adapted to fold at right angles to said extension portion and lie on said bottom,

(*c*) tongues in the bottom of the carton spaced from said end members for engaging said end flaps when in folded condition,

(*d*) and an integral cover for said carton.

8. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:

(*a*) a sheet of paper material so cut and folded as to provide front and back walls and end members, said end members having extension portions attached thereto by fold lines and when folded forms a double wall for the end members, said front and back walls having end tabs connected thereto by transverse fold lines and adapted when folded on said lines to face inwardly toward each other between said end members and said extension portions, said extension portions of the end members having tongues connected by fold lines adapted to fold inwardly and lie alongside said front and back walls,

(*b*) end flaps on said extension portions adapted to fold at right angles to said extension portion and lie on said bottom,

(c) tongues in the bottom of the carton spaced from said end members for engaging said end flaps when in folded condition,

(d) an integral cover for said carton,

(e) and a cutting member having a cutting edge on said carton for severing said paper as it is drawn therefrom.

9. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:

(a) a sheet of paper material so cut and folded as to provide front and back walls and end members, said end members having extension portions when folded forms a double wall for the end members, said front and back walls having tabs connected thereto by transverse fold lines and adapted when folded on said lines to face inwardly toward each other alongside said end members, said extension portions of the end members having tongues connected by fold lines adapted to fold inwardly and lie alongside said front and back walls,

(b) end flaps on said extension portions adapted to fold at right angles to said extension portions and lie on said bottom,

(c) tongues in the bottom of the carton spaced from said end members for engaging said end flaps when the carton is in folded condition,

(d) an integral cover for said carton,

(e) a flap on said front wall,

(f) a cutting member having a cutting edge on said flap, said flap and cutting member when the carton is formed lying horizontally over the carton underneath said cover and said cutting edge facing outwardly from the carton,

(g) whereby when said carton is turned on its cover and said sheet of paper is drawn between said cover and said cutting member pressure applied on the bottom of the carton will hold said sheet between the top and said cutting edge and upward pull on the sheet of paper against said cutting edge will sever the same.

10. A combined carton and dispenser for housing and dispensing sheet paper in roll form comprising:

(a) a sheet of paper material so cut and folded as to provide front and back walls and end members, said end members having extension portions when folded forms a double wall for the end members, said front and back walls having tabs on their ends connected thereto by transverse fold lines and adapted when folded on said lines to face inwardly toward each other alongside said end members, said extension portion of the end members having tongues connected by fold lines adapted to fold inwardly and lie alongside said front and back walls and end flaps on said extension portions adapted to fold at right angles to said extension portions and lie on said bottom,

(b) an integral cover for said carton,

(c) a flap on said front wall,

(d) a U-shaped reinforcing member straddling said flap,

(e) a cutting member having a cutting edge on said reinforcing member, said flap and cutting member when the carton is formed lying horizontally over the carton underneath said cover and said cutting edge facing outwardly from the carton,

(f) and tongue means on said end members engaging said rolls of paper for retaining said roll of paper in said carton,

(g) whereby when said carton is turned on its cover and said sheet of paper is drawn between said cover and said cutting member pressure applied on the top of the carton along said cutting edge and the sheet of paper pulled upwardly against said cutting edge to sever the same.

References Cited in the file of this patent

UNITED STATES PATENTS

1,907,922	Willis	May 9, 1933
2,507,404	Gluck	May 9, 1950
2,657,873	Dittman et al.	Nov. 3, 1953
2,803,339	Kuchenbecker	Aug. 20, 1957
2,889,098	Durdan	June 2, 1959