Sept. 12, 1950 F. L. BROEREN ET AL 2,522,253

DISPENSING PACKAGE

Filed March 15, 1946 3 Sheets-Sheet 1

Fig. 1

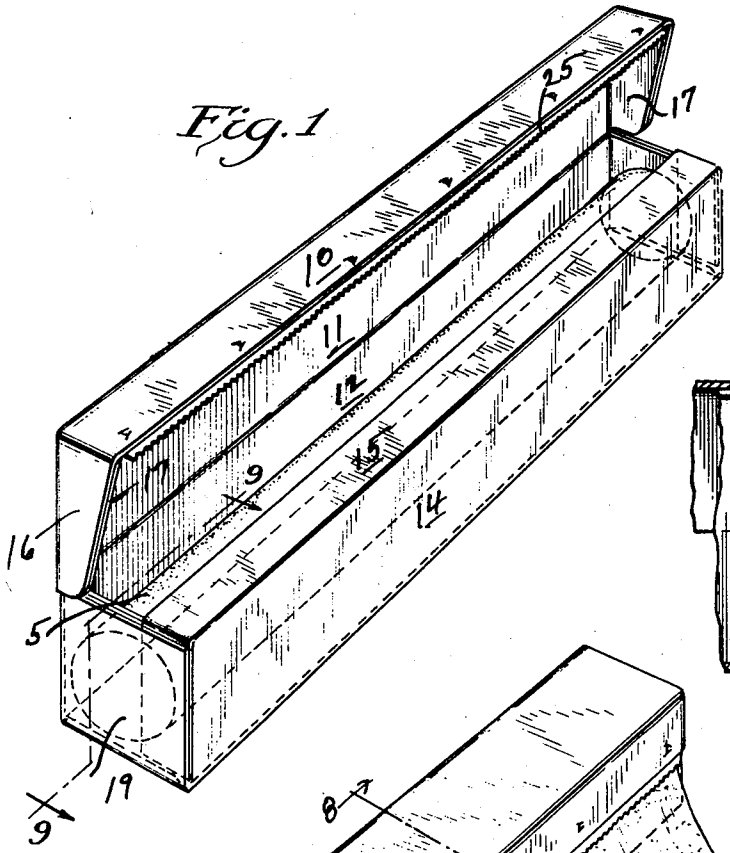


Fig. 2

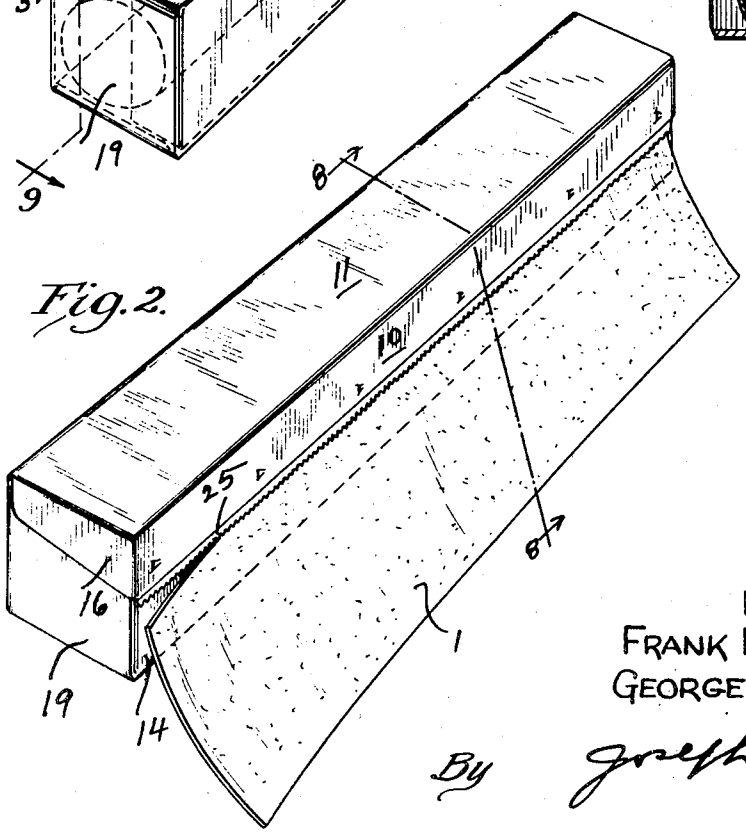
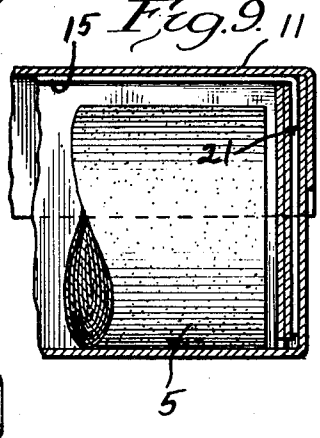


Fig. 3



INVENTORS
FRANK L. BROEREN &
GEORGE W. HOLT, JR.

By Joseph Rossman
Attorney

Sept. 12, 1950 F. L. BROEREN ET AL 2,522,253

DISPENSING PACKAGE

Filed March 15, 1946 3 Sheets-Sheet 2

Fig. 3.

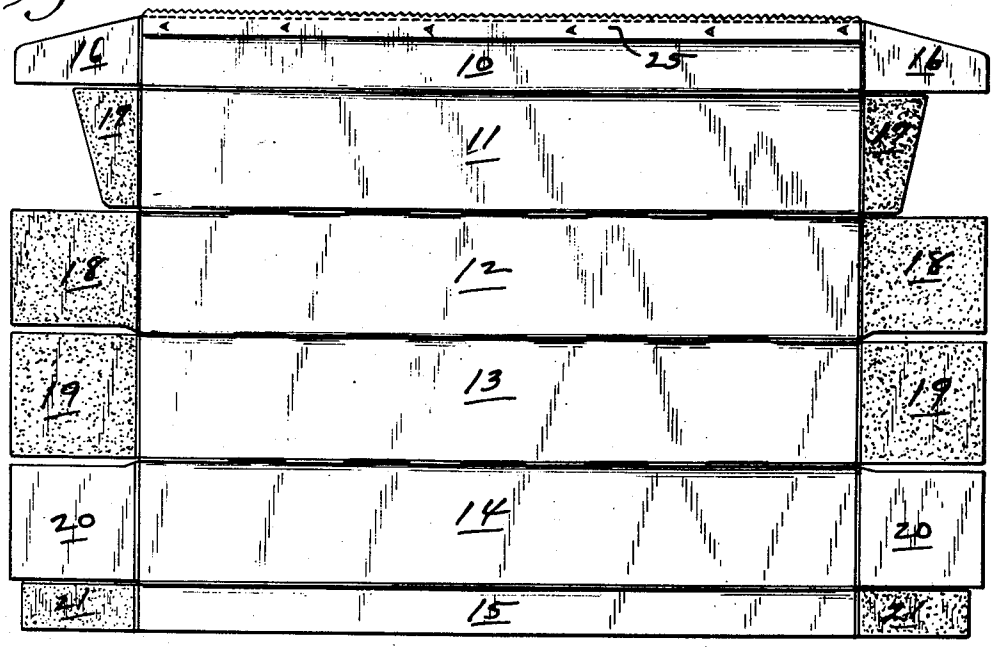
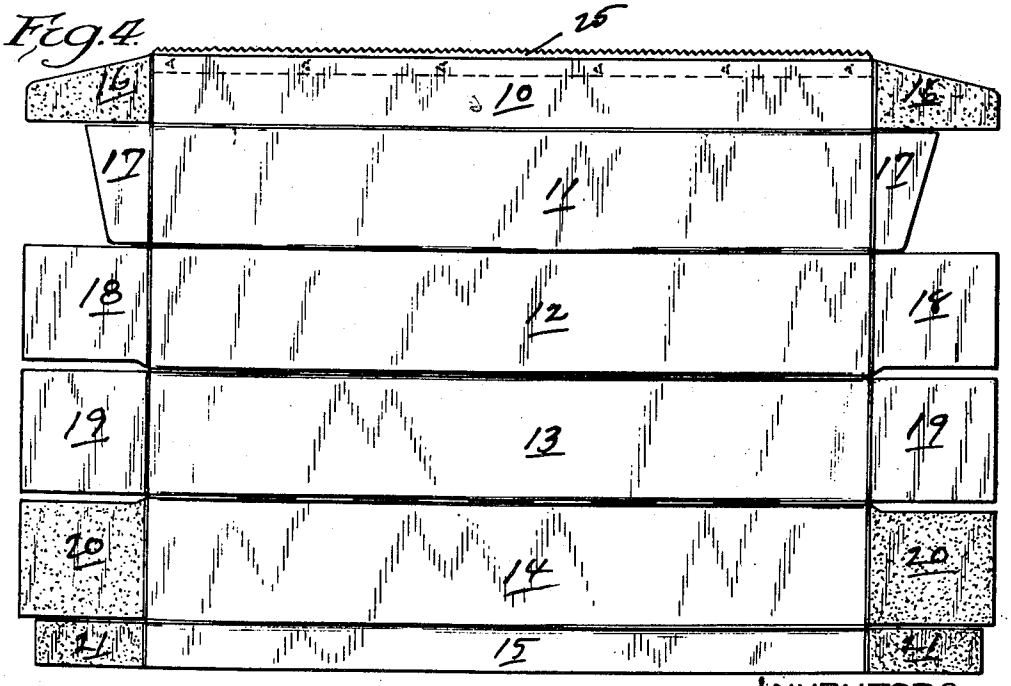


Fig. 4.



INVENTORS
FRANK L. BROEREN &
GEORGE W. HOLT, JR.
By Joseph Rosenberg
Attorney

Sept. 12, 1950 F. L. BROEREN ET AL 2,522,253

DISPENSING PACKAGE

Filed March 15, 1946 3 Sheets-Sheet 3

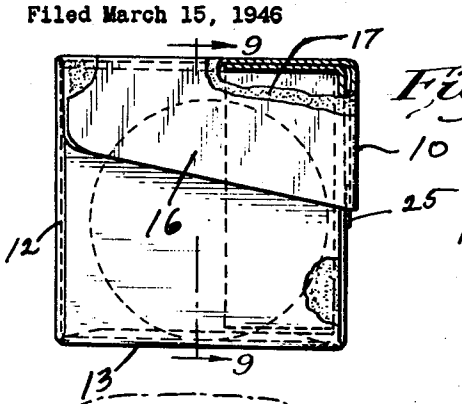


Fig. 6.

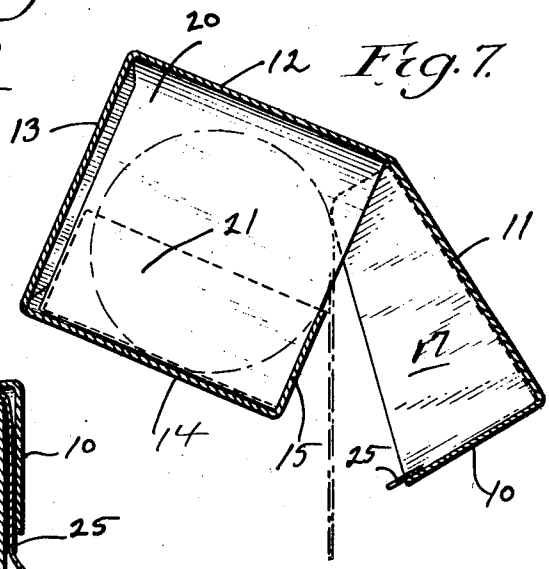


Fig. 7.

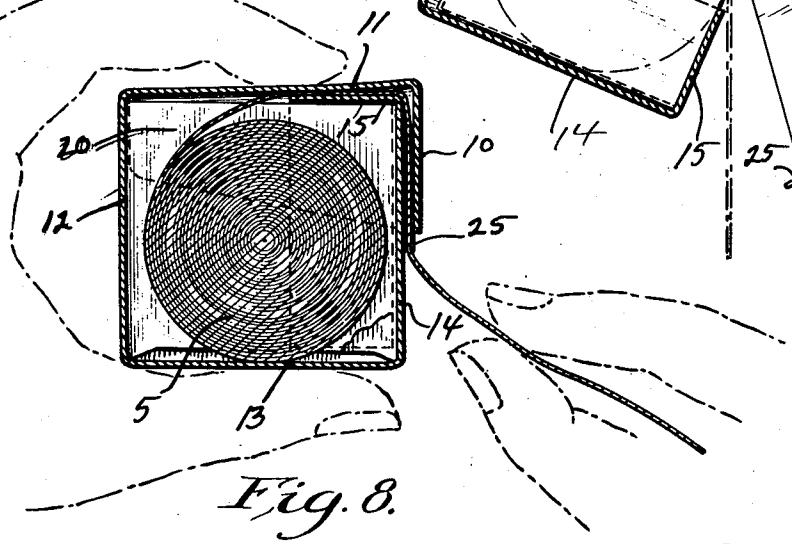


Fig. 8.

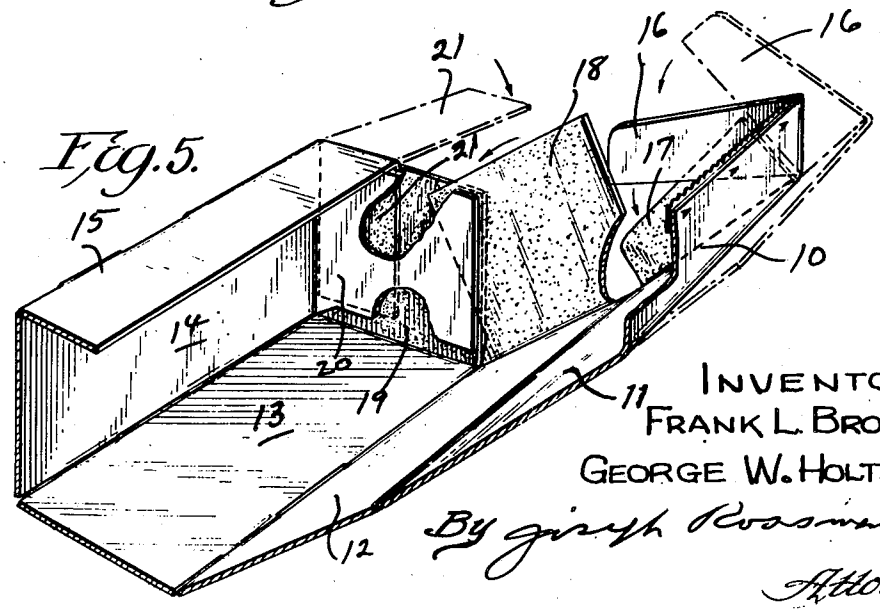


Fig. 5.

INVENTORS
FRANK L. BROEREN
GEORGE W. HOLT, JR.
By Joseph Rossman
Attorney

Patented Sept. 12, 1950 2,522,253

UNITED STATES PATENT OFFICE

2,522,253

DISPENSING PACKAGE

Frank L. Broeren, Neenah, Wis., and George W. Holt, Jr., Menominee, Mich., assignors to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin

Application March 15, 1946, Serial No. 654,738

3 Claims. (Cl. 206—58)

1

This invention relates to a dispensing package for rolls of paper such as wax paper which may be withdrawn in lengths as desired and cut off for individual use. More specifically, this invention relates to a carton comprising a receptacle or tray portion for retaining a roll of waxed paper, and the like, therein provided with a hinged cover for closing said receptacle, said cover being provided with means for cutting suitable lengths of the web withdrawn from the package.

Hitherto in carton constructions of the character referred to it has been found that the hinged cover is not sufficient for retaining the roll of waxed paper and the like within the receptacle so that when suitable lengths thereof are withdrawn the roll is often pulled out of the carton or may fall out accidentally while the web is being pulled. In such carton constructions it has also been found that the forward or free end of the web is often bent back on itself or winds itself within the carton so as to make it difficult to grasp the end thereof for pulling lengths of the web out of the package.

In order to overcome the difficulties and disadvantages referred to, the present invention provides a carton construction which, although simple, is very effective for overcoming the difficulties hitherto encountered. With the above and other objects in view, the invention consists of the features of construction and operation set forth in the following specification and illustrated in the accompanying drawings. Referring to the drawings,

Figure 1 illustrates a perspective view of our carton with the cover in open position to show the roll of waxed paper within the receptacle portion,

Figure 2 is a perspective view of our carton showing the cover in closed position and a length of waxed paper being torn therefrom,

Figure 3 is a plan view of the inside face of a blank from which the carton is constructed,

Figure 4 is a plan view of the outer face of the same blank illustrated in Figure 3 from which the carton is made,

Figure 5 is a perspective fragmental view of the blank in partially set up and glued condition to illustrate the gluing of the ends of the carton,

Figure 6 is an end view partly in section of the completed and closed carton,

Figure 7 is a sectional view of the completed carton with the cover in partially open condition to illustrate how the roll is retained therein without falling out,

Figure 8 is a sectional view taken on lines 8—8 of Figure 2,

Figure 9 is a fragmental sectional view taken on lines 9—9 of Figure 6.

Referring to the drawings, the package consists of a carton made from a single sheet of cardboard of suitable strength and thickness, suitably cut and scored to provide a front panel

2

14, a retaining panel 15 hinged thereto, a bottom panel 13, a rear panel 12, a cover portion 11 hinged to the upper edge of said rear wall, a cover extension panel 10 integrally hinged to said cover. Retaining panel 15 is provided with end flaps 21 at each of its ends. Front wall 14 is provided with end flaps 20 at each of its ends. The bottom wall is provided with end flaps 19. The rear wall is provided with flaps 18 at the ends thereof. The cover 11 is provided with end flaps 17 at each of its ends. The cover extension panel 10 is provided with a cutting blade 25 made of metal or other suitable material which is suitably attached to the free edge of the cover extension panel.

In forming a package, using the blank described, a roll 5 of waxed paper and the like is placed upon the bottom panel 13, the dimensions of said bottom panel being such that the roll will fit within the dimensions of said bottom panel. The front wall 14 and rear wall 12 are then folded up at right angles to the bottom wall 13. End flaps 20 are then folded at right angles to the front wall panel 14 and adhesively secured to end flaps 18 which are also folded at right angles to the panel 12 as illustrated in Figure 5.

It will be noted that when end flaps 18 and 20 are folded over each other and adhered they will form the end walls of the receptacle portion of the carton. The retaining panel 15 is then folded inwardly over the upper open end of the receptacle in the relation indicated in Figure 5 and the end flaps 21 at the ends of the panel 15 are then folded over the end flaps 18 and adhered thereto at the contacting faces thereof. End flaps 19 are then folded over the ends of the receptacle so as to complete the outer walls thereof to assume the position indicated in Figure 1 of the drawings.

The cover is made by folding the extension panel 10 at right angles to the cover panel 11 and the end flaps 16 of the cover extension are folded at right angles thereto and adhered to the end flaps 17 hinged to the ends of cover panel 11 so that the cover will assume the appearance shown in Figure 1. A metal cutter blade 25 is affixed in any suitable manner to the inner face of the extension panel 10 which preferably has a serrated edge for cutting suitable lengths of sheet material 1 which is withdrawn from the roll 5 retained within the receptacle portion of the package.

An important feature of the invention resides in the provision of the retaining panel 15 which is rigidly retained in place by means of the end flaps 16 which are adhered between the overlapping portions of the end flaps of the carton so as to be firmly retained at such region. The retaining panel extends the full length of the open end of the receptacle portion of the carton, but does not fully cover the open end of the

carton. It is preferably of less than half the width of the open end of the carton so that the open portion which is left at the top of the receptacle is insufficient to permit the roll 5 to be withdrawn or to accidentally fall out of the package. At the same time a sufficient opening is left at the top of the receptacle portion to enable the roll within the receptacle to be grasped by the fingers in order to rotate same if the end of the web should be folded back upon itself or wind itself within the receptacle so as not to be available for pulling out a length from the package. As illustrated in Figure 7, if the completed package should be opened upside down the opening is insufficient to permit the roll 5 within the package to fall out, as it is not of sufficient width to permit the roll to pass therethrough. The hinged cover portion at the same time can be folded back on its hinge line at the upper edge of the rear wall 12 as far back as desired in the manner illustrated in Figure 1, if it is desired to secure access to the inside of the package for turning the roll therein. The cover 11, however, can be readily folded over into the closed position as shown in Figure 2 so that after a suitable length of the web 1 is withdrawn it can be easily torn off by merely pulling against the cutter blade 25 so as to provide the required length of the web.

Our carton construction provides a very efficient and inexpensive means for dispensing waxed paper and the like from rolls and at the same time protecting the remaining portions of the rolls within the package against contamination by dirt, dust or any other foreign substances. The carton can be manufactured by any suitable available equipment at no greater cost than the present types of carton constructions and at the same time overcomes the disadvantages previously noted in the existing types of carton constructions.

It is to be understood that modifications and changes can be embodied in the specific construction illustrated and that it is intended to include such changes within the scope of the appended claims.

We claim:

1. A dispensing package for retaining a roll of sheet material for withdrawal in suitable lengths from the package and to be severed therefrom, comprising a receptacle having a bottom, front, rear and side walls, and a retaining panel adjacent the upper edge of said front wall fixedly secured to said side walls and extending over the open end of said receptacle and partially closing same, said retaining panel being of a sufficient width to retain the roll within said receptacle and to prevent the roll from being removed therefrom, and a cover portion having a top wall panel hingedly connected to the upper edge of the rear wall of said receptacle and side and front wall panels depending from the edges of said top wall panel and connected to each other, said cover portion being adapted when closed to overlie said retaining panel and said front and side walls of said receptacle whereby sheet material being withdrawn from said receptacle may be gripped between said retaining panel and said top wall panel when said cover is closed, and a cutting means provided on the free edge of said front panel of said cover for covering the length of said sheet material withdrawn from the package while said sheet is so gripped.

2. A dispensing package for retaining a roll of sheet material for withdrawal in suitable lengths from the package and to be severed therefrom, comprising a receptacle having a bottom, front, rear and side walls, and a retaining panel adjacent the upper edge of said front wall fixedly secured to said side walls and extending over the open end of said receptacle and partially closing same, said retaining panel being of a width less than half of the width of the open end of said receptacle yet sufficient to retain the roll within said receptacle and to prevent the roll from being removed therefrom, and a cover portion having a top wall panel hingedly connected to the upper edge of the rear wall of said receptacle and side and front wall panels depending from the edges of said top wall panel and connected to each other, said cover portion being adapted when closed to overlie said retaining panel and said front and side walls of said receptacle whereby sheet material being withdrawn from said receptacle may be gripped between said retaining panel and said top wall panel when said cover is closed, and a cutting means provided on the free edge of said front panel of said cover for severing the length of said sheet material withdrawn from the package while said sheet is so gripped.

3. A dispensing package comprising a carton made of an integral blank suitably cut and scored to provide a receptacle portion and a cover portion for retaining a roll of sheet material to be withdrawn in suitable lengths from the package and to be severed therefrom, said receptacle portion comprising a bottom, front, rear and side walls, and a retaining panel hinged to the upper edge of said front wall and folded inwardly over the open end of said receptacle portion and partially closing same, end flaps hingedly connected to the ends of said retaining panel and connected to said side walls of said receptacle portion for rigidly retaining said retaining panel, said retaining panel being of a width to retain the roll within said receptacle and prevent the roll from being removed therefrom, said cover portion comprising a top wall panel hingedly connected to the upper edge of the rear wall of said receptacle portion and side and front wall panels hinged to and depending from the edges of said top wall panel, end flaps on said front wall panel secured to said side wall panels, said cover portion being adapted when closed to overlie said retaining panel and said front wall and side walls of said receptacle portion, and a cutting means provided on the free edge of said front panel of said cover for severing the length of said sheet material withdrawn from the package.

FRANK L. BROEREN.
GEORGE W. HOLT, JR.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
Re. 18,477	Appelbaum	May 24, 1932
D. 144,278	Wohl	Mar. 26, 1946
1,499,808	Distin	July 1, 1924
1,530,644	Blandford	Mar. 24, 1925
1,593,529	Gibson et al.	July 20, 1926
1,599,238	Hurlbut	Sept. 7, 1926
1,706,859	Peter	Mar. 26, 1929
2,301,575	Otten	Nov. 10, 1942
2,303,253	Broeren	Nov. 24, 1942
2,336,842	Broeren et al.	Dec. 14, 1943