

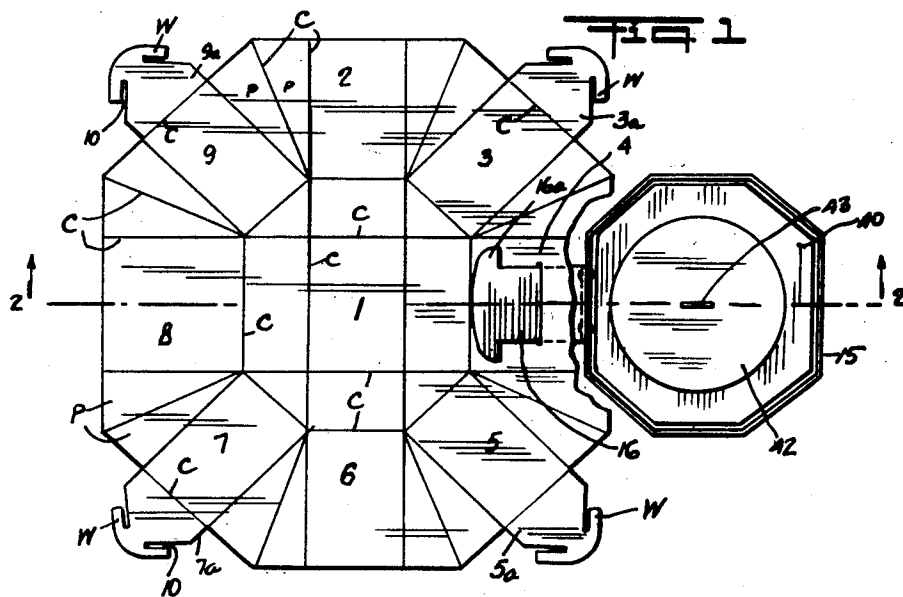
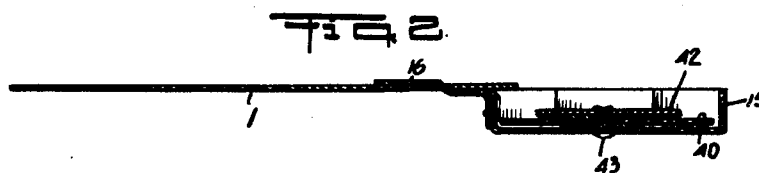
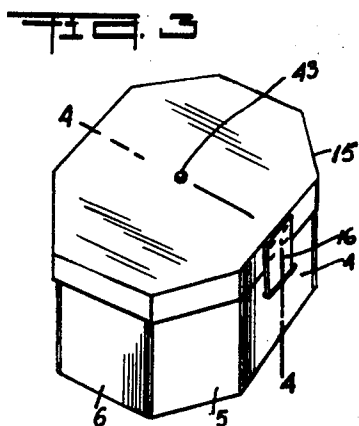
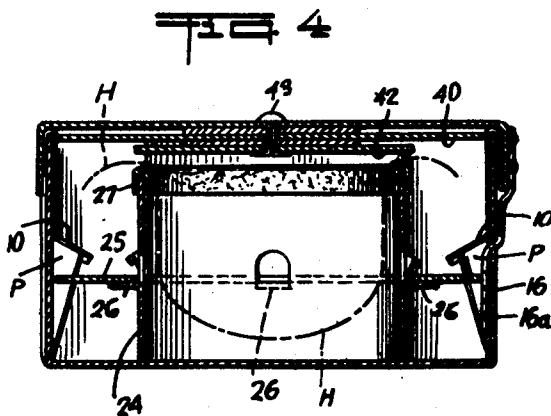
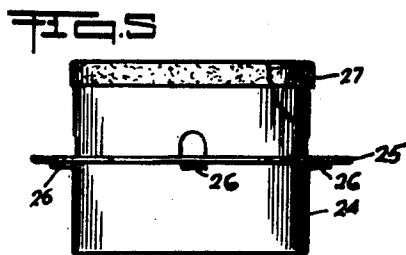
March 7, 1950

G. ROTTMAN
CARTON

2,499,780

Original Filed Dec. 1, 1942

2 Sheets-Sheet 1



INVENTOR.

George Rottman
BY Mock & Allen

ATTORNEYS

March 7, 1950

G. ROTTMAN
CARTON

2,499,780

Original Filed Dec. 1, 1942

2 Sheets-Sheet 2

FIG. 5

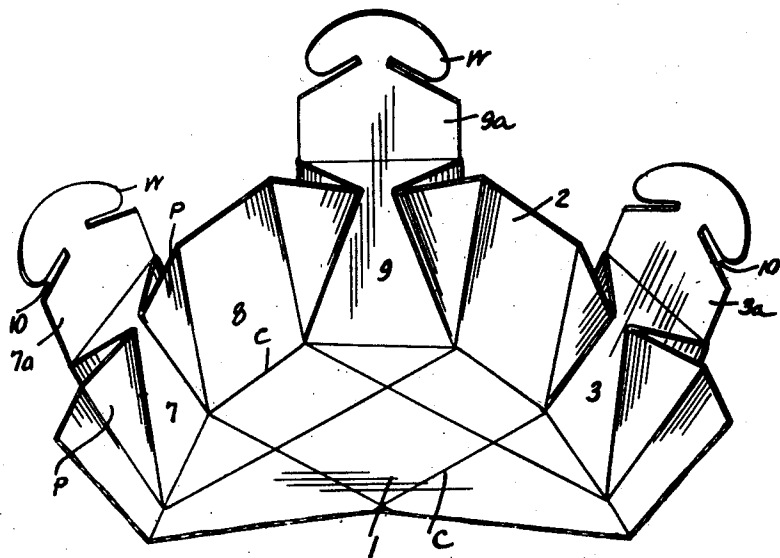


FIG. 7

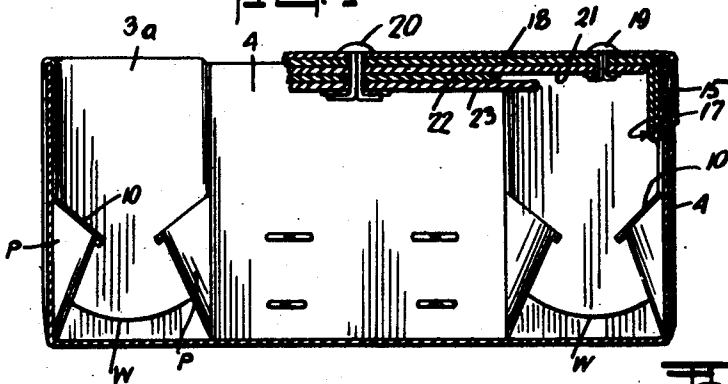


FIG. 8

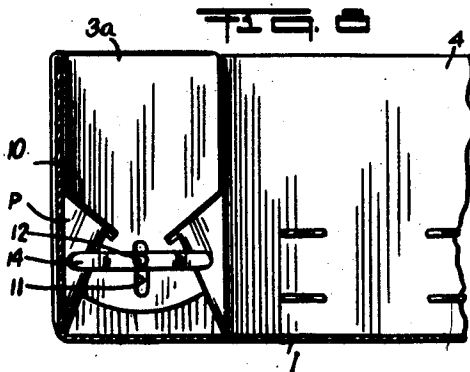
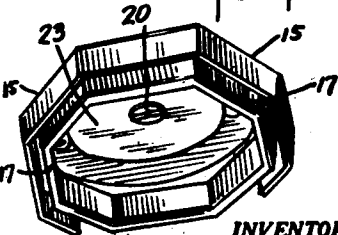


FIG. 9



INVENTOR.

George Rottman

BY

Mock & Allen
ATTORNEYS

UNITED STATES PATENT OFFICE

2,499,780

CARTON

George Rottman, Brooklyn, N. Y.

Original application December 1, 1942, Serial No. 467,488. Divided and this application September 5, 1945, Serial No. 614,448

1 Claim. (Cl. 229-41)

1

My invention relates to new and improved cartons which can be used for holding hats and other articles of clothing, in order to protect the same from dust, moths and the like.

The principal object of my invention is to provide cartons which can be simply manufactured and assembled from a plurality of blanks. One of these blanks may comprise the cover of a carton.

Another object of my invention is to provide improved forms for hats, to be used in said cartons.

Other objects of my invention will be set forth in the annexed description and drawings, which illustrate preferred embodiments thereof.

Fig. 1 is a top plan view showing the flat blank which is used for making the body of the carton, and showing the made-up cover and the means whereby the hinge tab of the cover is slidably assembled with the flat blank of the body.

Fig. 2 is a sectional view on the line 2-2 of Fig. 1.

Fig. 3 is a perspective view of the assembled and closed carton and cover.

Fig. 4 is a sectional view on the line 4-4 of Fig. 3.

Fig. 5 is an elevation showing one form of the hat-holder, separated from the carton.

Fig. 6 is a perspective view which illustrates the partial folding of the blank which is used for making the body of the carton.

Fig. 7 is a sectional view of another embodiment of the cover, partially in elevation, taken through the vertical axis of the body and cover, and showing the dust-proof closure between the body of the carton and the cover thereof.

Fig. 8 is a partial view of another embodiment. This is generally similar to Fig. 7, but it shows different means for holding the upstanding walls of the body of the carton in upstanding position.

Fig. 9 is a partial perspective interior view of the improved cover.

The body blank which is shown in Fig. 1 has a bottom wall 1 which can be of any suitable polygonal shape. In this embodiment, said bottom wall 1 is octagonal. The blank is made of any suitable bendable material, such as heavy bendable paper or the like. Said blank is provided with eight wall portions 2, 3, 4, 5, 6, 7, 8, and 9, each of which is of rectangular shape. These wall portions form the upstanding walls of the assembled body of the carton. The alternate wall portions 3, 5, 7, and 9 are respectively provided with identical extensions 3a, 5a, 7a, 9a.

2

Each of said extensions is provided with recesses 10, which are equally downwardly inclined to the vertical axis of the assembled body of the carton. The lines C indicate fold lines or crease lines. There are four crease lines C in the flat bottom wall 1, so that said bottom wall can be folded into a very small space. A pair of pleats P are provided between each pair of successive upstanding walls. As shown in Fig. 6, said pleats P are inwardly folded when the body of the carton is set up or assembled, so that in the assembled body of the carton, said pleats are located inwardly of the respective upstanding walls.

When the upstanding walls have thus been bent to their respective assembled positions, the respective extensions 3a, 5a, 7a and 9a are bent downwardly along their respective fold lines C. Each pair of adjacent triangular pleats P is interlocked with the respective extension by means of the downwardly inclined respective slots 10, so that the body of the carton is securely maintained in set-up condition. The wings W of the head of each said extension are then located between the inner face of the respective upstanding wall, and the two respective pleats P thereof.

In the modification of Fig. 8, each of the extensions 3a, 5a, 7a and 9a is provided with a vertical slot 11, in which a stud 12 is slidably mounted. A clamp 14 is turnably mounted upon each said stud 12. Each said clamp 14 can be turned to the locking position shown in Fig. 8, after the respective pleats P have been interlocked with the respective slots 10, thus locking the pleats P even more securely in position.

The studs 9 can be fixed to their respective extensions.

The rigid cover of the carton has an outer vertical wall 15, which fits over the body. One of the walls of the cover has a flexible tab 16 connected thereto. One end of said tab is inserted through a slit in the wall 4, and said end is then fixed to the corresponding wall of the cover. Said tab 16 has wings 16a. Said tab 16 fits slidably in the slot of the wall 4, so that said tab 16 is a flexible and slidable hinge member. The wings 16a prevent the tab from being pulled out of the slot of wall 4. In the embodiment of Figs. 1-4, the top of the cover has four stiffening inserts, which include the inserts 40 and 42. Said inserts are fixed to the top wall of the cover by rivet fastener 43. The insert 40 fits snugly against the top portions of the upstanding walls of the body in order to provide a

3

dust-proof closure. In the embodiment of Fig. 7, the cover is provided with an insert which has vertical inner walls 17. As shown in Fig. 7, these vertical inner walls 17 are made by bending the edge portions of the insert 18, which is fixed to the top wall of the cover by means of rivet fasteners 19. There is a central rivet fastener 20 which also fixes additional stiffening layers 21, 22, and 23. The fasteners 19 also pass through the stiffening layer 21. The two-layer inner walls 17 provide an inner dust-proof closure, in addition to the dust-proof closure of the outer vertical walls of the cover.

An insert is provided in the body of the box which is shown in Figs. 1-8, if said box is to be used as a hat-holder. This insert consists of a cylindrical or elliptical body 24 which has a flange 25, which fits fairly snugly against the inner faces of the upstanding walls. The body 24 is provided with outwardly bent integral tabs 26, to which the flange 25 is connected. The upper edge of the body 24 has a covering ring 27 of U-shaped cross-section. Said ring 27 has a covering of felt or other soft or resilient material, both inside and outside. The position of the hat H is shown in broken lines in Fig. 4.

I have disclosed several of the embodiments of my invention, but it is clear that numerous changes and omissions can be made without departing from its scope.

This application is a division of my application Serial No. 467,488 filed December 1, 1942, now Patent No. 2,386,407.

I claim:

In combination, a flat and bendable carton blank comprising a central polygonal bottom-wall portion and upstanding wall portion, each said upstanding wall portion being integral with said bottom-wall portion at a respective edge of said bottom-wall portion, each pair of upstanding-wall portions being separated by a pair of pleat-portions, alternate upstanding-wall por-

4

tions having outer flaps which are inwardly bendable relative to said alternate upstanding-wall portions, each said flap having laterally opposed notches, said blank being bendable into carton form in which each upstanding-wall portion has a pleat located inwardly thereof at each upstanding edge of each said upstanding wall portion, said flaps being inwardly bendable into locking engagement between their notches and the respective pleats, one of said upstanding wall portions having a lateral slot, a bendable tab extending through and slidable in said slot, said tabs having outer flaps adapted to retain said tabs in slidable engagement with the respective upstanding-wall portion, and a cover for said carton fixed to the outer end of said tab, said cover being formed of an outer layer and an inner layer, the edges of said outer layer being adapted to be bent downward to form an integral flange fitting snugly against the outer surface of the side walls of said box, the edges of said inner layer being adapted to be bent downward to form an integral flange fitting snugly against the inner side walls of said box.

GEORGE ROTTMAN.

REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
536,064	Birley	Mar. 19, 1895
710,060	Kann	Sept. 30, 1902
931,655	Sabor	Aug. 17, 1909
1,623,715	Berkowitz	Apr. 5, 1927
2,003,326	Wellman	June 4, 1935
2,109,716	Annen	Mar. 1, 1938
2,257,057	Huye	Sept. 23, 1941
2,314,631	Ray	Mar. 23, 1943
2,338,900	Buttery	Jan. 11, 1944