

March 28, 1933.

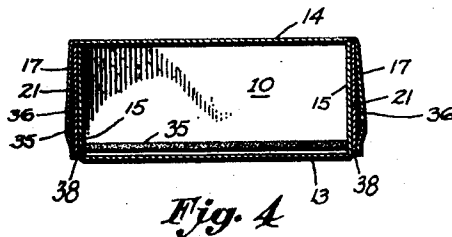
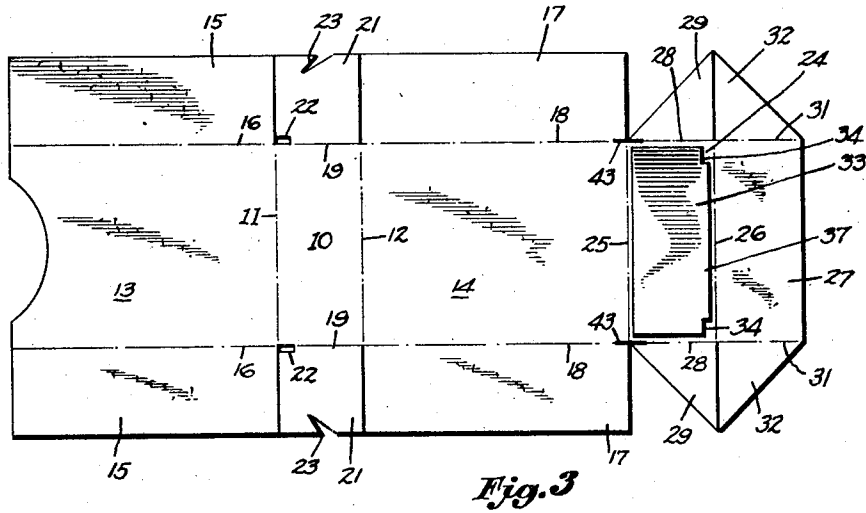
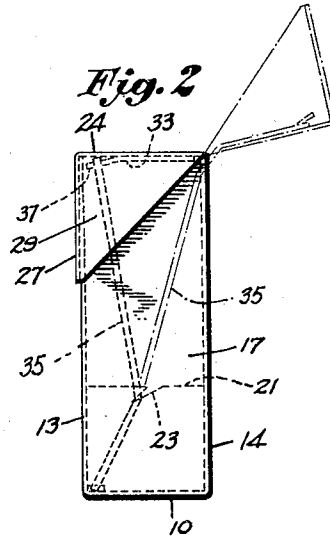
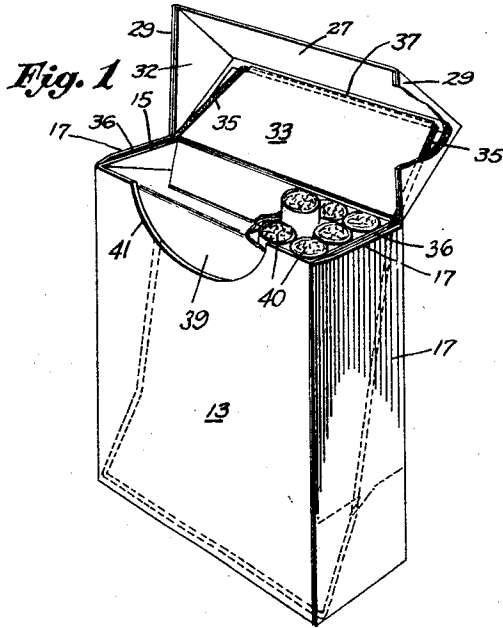
F. FORTUNA ET AL

1,903,104

CONTAINER

Filed June 25, 1931

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig. 5

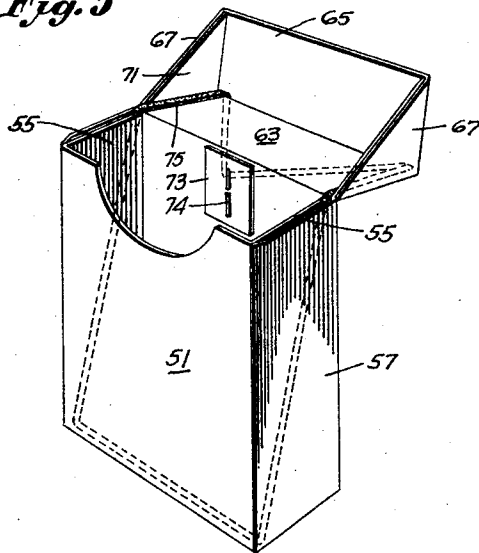


Fig. 6

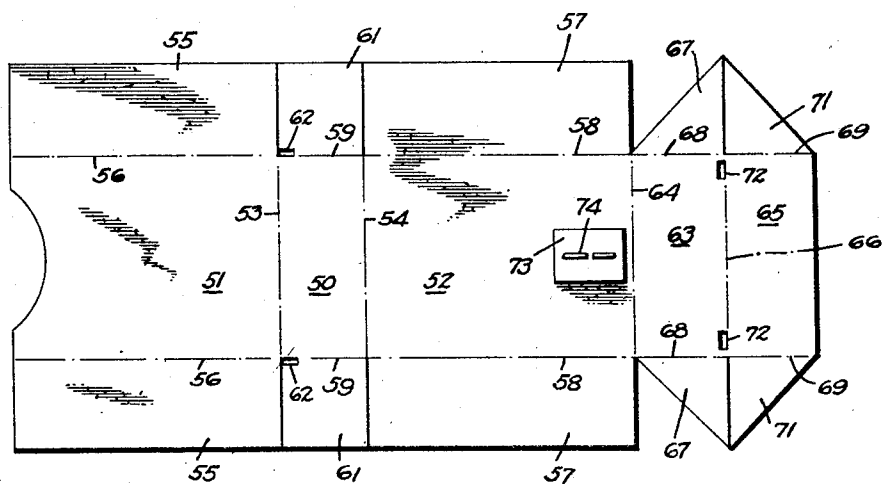
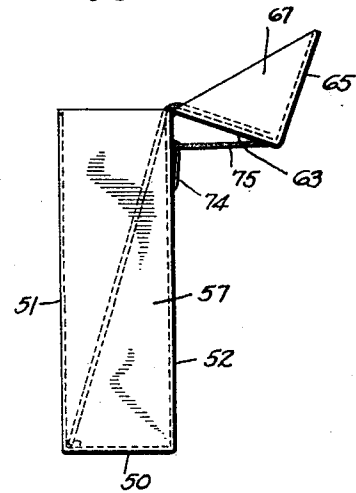


Fig. 8

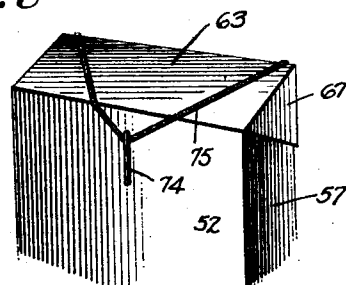


Fig. 7

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## CONTAINER

Application filed June 25, 1931. Serial No. 546,848.

This invention relates to boxes and particularly to paper and composition boxes adapted to package cigarettes and the like.

Heretofore packages of cigarettes have been formed of sealed paper envelopes which must be torn or otherwise mutilated in order to extract the contents therefrom. After a certain number of cigarettes have been removed the packages may become distorted while in the pocket of the person carrying it and may mutilate the remaining cigarettes. The present invention comprehends a package having an inner sealing covering for the cigarettes to prevent air from reaching them with a drying effect and an outer covering having a removable cover, the cover being reinforced so that when closed it will prevent distortion of the box and consequent mutilation of the cigarettes, the inner sealing material being frangible and being exposed upon opening of the cover to permit of extraction of the cigarettes. Means are provided for retaining the cover in either open or closed position so that the user may have no difficulty in extracting the cigarettes from time to time, and so that at other times the package may be closed to prevent undue drying of or other injury to the cigarettes.

These and other objects and advantages, including those arising from the specific arrangement and formation of the parts of the package, will become apparent from the following description of typical embodiments of the invention, reference being made to the accompanying drawings wherein:

Fig. 1 is a perspective view of one device embodying the principles of the invention, the cover being depicted as in open position;

Fig. 2 is a side elevation of the box shown in Fig. 1 with the cover in closed position;

Fig. 3 is a plan view of the blank from which the outer covering depicted in Fig. 1 is formed;

Fig. 4 is a plan sectional view looking toward the bottom of the box shown in Fig. 1;

Fig. 5 is a perspective view similar to Fig. 1 showing another form of outer box;

Fig. 6 is a side elevation of the article

shown in Fig. 5, the cover being depicted as in open position;

Fig. 7 is a plan view of the blank from which the box in Fig. 5 is formed; and

Fig. 8 is a rear perspective view of the box shown in Fig. 5, the cover appearing in closed position.

As shown in Fig. 3, the blank includes a bottom 10 having front and rear edges 11 and 12 respectively, from which extend integral front and rear wall forming sections 13 and 14 respectively. Inner side walls 15 extend from the side edges 16 of the front wall 13 and outer side wall forming sections 17 extend from the side edges 18 of the rear wall forming section 14. Extending from the side edges 19 of the bottom wall 10 are side ears 21 having notches 22 at the corners thereof adjacent the juncture of the sections 10 and 13. The edges of the ears opposite the lines 19 are provided with forwardly and inwardly inclined cuts or notches 23.

A top wall or cover 24 extends from the upper edge 25 of the rear wall 14 and has, extending from its forward or outer edge 26, a front wall forming section 27 and, from its side edges 28, side flange forming sections 29, the latter being of substantially triangular shape. Integral with and extending from the side edges 31 of the cover flange 27 are ears 32.

In order to form the box from the blank the side wall sections 13 and 14 are bent upwardly about the lines 11 and 12 respectively and the side wall sections 15 and 17 are bent about the lines 16 and 18, respectively, to form the side walls of the box, the walls 17 overlying the walls 15. The ears 21 are bent upwardly about the line 19 and are disposed between and in spacing relation to the walls 15 and 17. The cover 24 is bent upon the line 25 with respect to the rear wall 14 and the flange portions 27 and 29 are bent downwardly upon the lines 26 and 28, respectively, to form front and side walls for the cover. The ears 32 are bent downwardly upon the line 31 to underlie the flanges 29 which are preferably of the same shape.

A plate 33 having notched corners 34 is cemented or otherwise secured to the bottom

surface of the cover 24, being disposed in such relation that the notches will occur at the front side edges of the box when the cover is closed. An elastic band 35 is passed  
 5 through the box, extending through the spaces 36 between the inner and outer side walls 16 and 17, respectively, and between the ears 21 and the inner wall 15, engaging in the cut 23 and extending through the notches 22  
 10 in the ears and along the forward edge 11 of the bottom wall 10.

Upper portions of the band 35 are passed between the plate 33 and the cover 24, extending along the forward edge 37 of the plate and passing through the notches 34 at the side edges of the plate. After placing  
 15 of the elastic band, the forward and rear edges of the inner and outer side walls 15 and 17 may be secured together as indicated at 38 in Fig. 4, any suitable means being employed. The ears 32 may be secured in underlying relation to the side flanges 29 of the cover to form a permanent flanged cover construction.

Before or after complete assembly of the box, inner frangible sealing material 39, covering the cigarettes, or like contents 40, may be placed in the box. The sealing material will prevent air or other substance from admixing with and producing a deteriorating  
 20 affect upon the cigarettes before they reach the ultimate consumer, the box cover, with its flanges, cooperating to prevent the sealing material 39 from being broken before reaching the consumer. When the latter receives the package he may break or tear the frangible material 39 as indicated in Fig. 1  
 25 in order to remove the cigarettes, the cover being moved to open position against the urge of the elastic band 35 in order to expose the material 39 for fracturing. After extraction of a cigarette the cover may be snapped to closed position by the elastic band  
 30 so that the package will assume its original appearance and the remaining cigarettes in the packages will be amply protected from dirt or the like or from falling from the package. In order to facilitate the breaking of the frangible material 39 and to provide greater access to the contents of the package, the forward wall 13 may be cut away at its upper end as indicated at 41.

In order to retain the cover in open position as indicated in Fig. 2, the blank may be cut inwardly as shown in Fig. 3 at 43 along the lines 18, whereby upon moving the cover to open position the elastic band adjacent the rear upper edge of the box may move  
 35 rearwardly beyond the cover hinge axis 25, as indicated in broken lines in Fig. 2, so that the elastic band will exert a downward force on the cover along a line of force to the rear of the hinge axis, thus holding the cover open  
 40 until the band again passes forwardly past

the hinge axis, when it will urge the cover to closed position.

In the form of the invention shown in Figs. 5 to 8 the blank of Fig. 7 has a bottom  
 45 wall 50 with front and rear walls 51 and 52 extending from and integral with the front and rear edges 53 and 54 thereof, respectively. Inner side wall 55 extends from the side edges 56 of the front wall 51 and outer side wall members 57 extend from the side edges  
 50 58 of the rear wall 52. Integral with and extending from the side edges 59 of the bottom wall 50 are ears 61 having their forward bottom corners notched as indicated at 62. The hinged cover 63 is of similar form to that described in Figs. 1 to 4 inclusive, it being hinged to the rear wall 52 along line 54 and being provided with a forward depending flange 65 extending from the front edge 56 of the cover and side flanges 67 depending  
 55 from the side edges 68 of the cover. Extending from the side edges 69 of the front cover flange 65 are ears 71 which are substantially triangular, being of the same shape as the side flanges 67. Adjacent the forward and side edges of the cover 68 are formed a pair of openings 72 for passing an elastic band and upon the inner face of the rear wall 52 is provided a reinforcing plate 73 for cooperating with the rear wall 52 in supporting  
 60 an elastic band retaining clip 74.

The box is formed in substantially the same manner as that shown in Figs. 1 to 5 inclusive, the blank being bent along lines 53, 54, 56, 58 and 59 and the cover being bent along lines 64, 66, 68 and 69. An elastic band 75 is passed between the outer and inner side walls 55 and 57 and between the ears 61 and the outer side wall 57, through the notches 62 along the forward edge of the bottom wall 50, through the opening 72 in the cover, and over the outer surface of the cover and the outer surface of the rear wall 52, being secured medially of the side edges of, and below the upper edge of, the rear wall by the clip 74. After placing the elastic band, the box may be permanently secured together, in the manner previously described, the forward and rear edges of the inner and outer side walls 57 being secured together by any suitable means. The ears 71 are folded to overlie the side flanges 67 of the cover and are secured thereto in any suitable manner.

In use the cover 63 will be held in either open or closed position by the elastic band and will thus permit of ready extraction of cigarettes or the like from its interior. The box is relatively inexpensive to manufacture, being formed almost completely of a single strip of paper or other fibrous or composite material. When closed the flanges of the lid will provide a substantial reinforcement to prevent distortion of the container.

It will be understood that the herein de-

scribed and illustrated embodiments are merely exemplary of the principles of the invention, which may be incorporated in other articles having different characteristics, within the scope of the present invention.

What is claimed is:

1. A cigarette box comprising outer bottom and side walls, an inner side wall lying adjacent one of said side walls and providing a space therebetween, a cover hinged to one of said side walls, and resilient means within said space and connected to the cover for normally retaining it in closed position, said inner side wall acting to protect the contents of the box from the resilient means.

2. A box comprising front and rear walls, inner side walls connected to the sides of one of said first-mentioned walls, outer side walls connected to the other of said first-mentioned walls, said inner and outer side walls being joined at the outer edges of the outer side walls and spaced at their medial portions, a cover hinged to one of said walls, and resilient means disposed in the space between the inner and outer side walls to be guided thereby and connected to the cover for normally retaining it in closed position.

3. A box comprising a bottom wall, front and rear walls connected to the bottom wall, inner side walls connected to one of said front and rear walls, outer side walls connected to the other of said front and rear walls and spaced at their medial portions from the inner side walls, ears connected to the bottom wall and disposed between the inner and outer side walls, a cover hinged to the rear wall, resilient means connected to a forward portion of the cover and extending into the spaces between the inner and outer side walls, and said ears having parts thereof engaging said resilient means for holding the lower ends thereof medial of the front and rear walls.

4. A box comprising a bottom wall, front and rear walls connected to the bottom wall, inner side walls connected to one of said front and rear walls, outer side walls connected to the other of said front and rear walls, side ears connected to the bottom wall and extending between the inner and outer side walls, said side ears having notches adjacent the bottom and front walls, a cover hinged to the rear wall, an elastic band extending between said outer side walls and the ears and extending through the notches in the latter along the front edge of the bottom wall, said elastic band being secured to the sides of the cover adjacent the front edge thereof.

5. A box comprising a bottom wall, front and rear walls integral with and extending from the front and rear edges of the bottom wall, inner side walls integral with and extending from the side edges of one of the front and rear walls, outer side walls integral with and extending from the side edges of the

other of said front and rear walls, ears integral with and extending from the side edges of the bottom wall and disposed between the inner and outer side walls, said ears having notches adjacent the bottom and front walls and having forwardly inclined cuts in the upper edges thereof, a cover integral with and hinged to the upper edge of the rear wall, and front and side flanges integral with the cover and depending from the side and front edges thereof, a plate secured to the bottom surface of the cover and having notches along the front side corners thereof, and a continuous elastic band extending between the ears and outer side walls, through the notches in the ears along the forward edge of the bottom wall, and between the plate and cover and through the notches in the plate.

6. A box having front and rear walls, inner and outer side walls between the front and rear walls, a cover hinged to the rear wall, said cover having openings therein adjacent the front edge thereof, elastic means extending from the bottom forward portions of the box between the inner and outer side walls, through the openings in the cover, across the top of the cover and secured to the rear wall below the upper edge thereof.

7. A box having bottom, front and rear walls, inner and outer side walls between the front and rear walls, a cover hinged to the rear wall and having openings therein adjacent the front edge thereof, a continuous elastic band extending between the inner and outer side walls, along the forward edge of the bottom wall, through the openings in the cover, diagonally across the outer surface of the cover, and attached to the rear wall at a point below the upper edge and medially of the side edges thereof.

8. A box comprising a bottom wall, front and rear walls connected to the bottom wall, side walls extending between said front and rear walls, ears connected to the bottom wall and disposed adjacent said side walls, a cover hinged to the rear wall, resilient means connected to a forward portion of the cover, said resilient means being retained at their other extremity by said ears.

9. A box comprising a bottom wall, front and rear walls connected to the bottom wall, side walls extending between said front and rear walls, side ears connected to the bottom wall and extending adjacent said side walls, said side ears having notches adjacent the bottom and front walls, a cover hinged to the rear wall, an elastic band extending between said side walls and the ears and extending through the notches in the latter along the front edge of the bottom wall, said elastic band being secured to the sides of the cover adjacent the front edge thereof.

10. A box comprising a bottom wall, front and rear walls integral with and extending from the front and rear edges of the bottom

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- wall, side walls extending between the front and rear walls, ears integral with and extending from the side edges of the bottom wall and disposed adjacent said side walls, said ears having notches adjacent the bottom and front walls and having forwardly inclined cuts in the upper edges thereof, a cover integral with and hinged to the upper edge of the rear wall, and front and side flanges integral with the cover and depending from the side and front edges thereof, a plate secured to the bottom surface of the cover and having notches along the front side corners thereof, and a continuous elastic band extending between the ears and the side walls, through the notches in the ears along the forward edge of the bottom wall and between the plate and cover and through the notches in the plate.
11. A box having front and rear walls, side walls extending between the front and rear walls, a cover hinged to the rear wall, said cover having openings therein adjacent the front edge thereof, elastic means extending from the bottom forward portions of the box along the side walls, through the openings in the cover, across the top of the cover and secured to the rear wall below the upper edge thereof.
12. A box having bottom, front and rear walls, side walls extending between the front and rear walls, a cover hinged to the rear wall and having openings therein adjacent the front edge thereof, a continuous elastic band extending along the side walls, along the forward edge of the bottom wall, through the openings in the cover, diagonally across the outer surface of the cover, and adjacent to the rear wall at a point below the upper edge and medially of the side edges thereof.
13. A box comprising a receptacle body, a cover hinged thereto and having its free edge swingable away from the body toward a backward open position, said body having side walls, elastic means anchored at one end to the body and at its opposite end to the cover forwardly of its hinged connection, whereby upon opening or closing movement of the cover the elastic means will move toward or away from the hinge connection, said elastic means being disposed between said side walls of the body, and means between said side walls for guiding said elastic means in its movements between open and closed position of the cover.
14. A box comprising a receptacle body, a cover hinged thereto and having its free edge swingable away from the body toward a backward open position, said body having side walls, and said cover having side walls, elastic means anchored at one end to the body between the side walls and anchored at its opposite end to the cover between its side walls and forwardly of its hinged connection whereby upon opening or closing movement of the cover the elastic means will move toward or away from the hinge connection, and means between said side walls for guiding said elastic means in its movement between open and closed position of the cover, said side walls of the cover and body concealing said resilient means when the box is closed.
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