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F. C. SHINA

2,339,656

BOX

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2 Sheets-Sheet 2

Fig. 5.

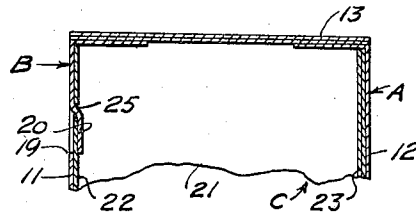


Fig. 6.

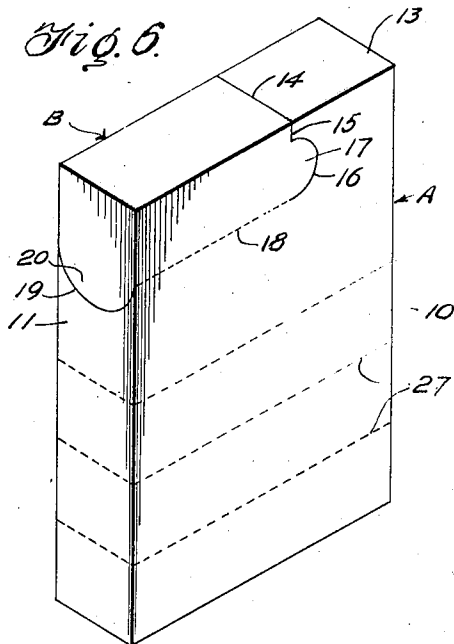


Fig. 7.

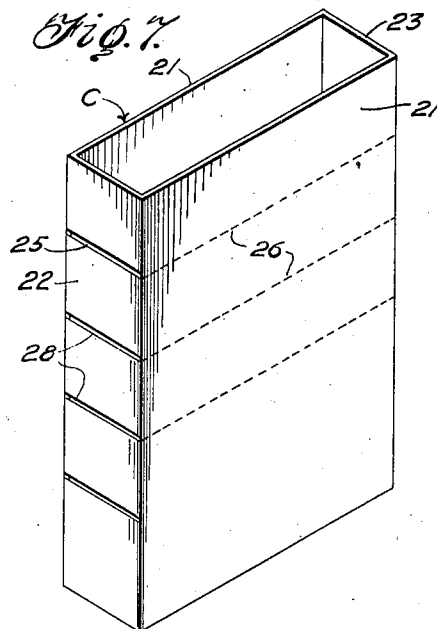
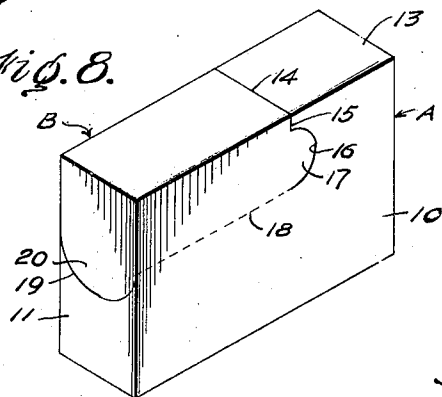


Fig. 8.



Inventor

Frank C. Shina,

By Ivan P. Tashof

Attorney

UNITED STATES PATENT OFFICE

2,339,656

BOX

Frank C. Shina, Urbana, Ohio, assignor to United Paperboard Company, New York, N. Y., a corporation of New Jersey

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7 Claims. (Cl. 229-44)

This invention relates to the art of packaging, and has special reference to boxes of paper-like material, such boxes being commonly termed pasteboard or cardboard boxes.

More particularly the invention relates to a box of the foregoing character especially adapted for the packaging of smoking tobacco, cigars, and the like.

The ordinary paper package of tobacco is easily crushed and torn when carried in one's pocket and, because of this, tobacco is commonly packaged in metal containers.

One important object of the present invention is to provide a simple and efficient double walled container highly resistant to crushing when in use.

A second important object of the invention is to provide a novel box for this purpose capable of having an ordinary package of tobacco covered with flexible material, such as a phenolic condensation product in sheet form, readily inserted therein, the box consisting of telescopically fitting inner and outer sections separable for the insertion of the tobacco.

A third important object of the invention is to provide a novel arrangement of hingedly swinging top for such a box, the top forming part of the outer section and closing over the upper part of the inner section with novel provision for guiding the top during closing.

A fourth important object of the invention is to provide a novel form of top fastening means in such a box.

A fifth important object of the invention is to provide a novel form of box for that purpose wherein provision is made for adjusting the height of the box so that the tobacco remaining after partial use may be brought close to the top of the box.

With the above and other objects in view, as will be presently apparent, the invention consists in general of certain novel features of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings and particularly claimed.

In the accompanying drawings like characters of reference indicate like parts in the several views, and:

Figure 1 is an isometric view of the improved box as dispensed.

Figure 2 is a similar view with the box open;

Figure 3 is a section on the line 3-3 of Figure 1;

Figure 4 is a section on the line 4-4 of Figure 1;

Figure 5 is a section of the upper part of the box similar to Figure 3 but with the securing top in securing position;

Figure 6 is a view similar to Figure 1 but showing a modified form of the outer box member;

Figure 7 is an isometric view showing the inner box member as used with the form shown in Figure 6;

Figure 8 is a view similar to Figure 6 but with the box in shortened condition.

Referring to the drawings, and particularly Figure 1 thereof, the outer member A of the box is preferably of vertically elongated rectangular form and is provided with side walls 10, a front wall 11, a rear wall 12, and a top wall 13. The top wall is provided intermediate its junctions with the front and rear walls with a fold line 14 extending from one side wall to the other, this fold line being formed by creasing the material. Each side wall has a short vertical slit 15 extending downwardly from the respective end of the fold line or crease 14. From the lower end of each slit 15 extends a semicircular slit 16 providing a tab 17 presenting its convex edge toward the rear wall 12. A weakened or tear line 18 extends from the lower end of the slit 16 to the junction of the front wall 11 with the respective side wall, the weakening of the material along these lines 18 being preferably accomplished by a suitable perforation. The tabs 17 are preferably termed guide tabs. The front wall 18 is cut through by a semicircular slit 19 having its ends meeting the front ends of the weakened lines 18 and this slit provides a downwardly extending securing tab 20. The portion, shown best at B in Figure 2, defined by the lines 14, 16, 18 and 19 constitutes a hingedly mounted cover portion.

The outer member A is open at the bottom and in this outer member is slidably fitted a rectangular inner member C of substantially the same height as the outer member and having side walls 21, a front wall 22, a rear wall 23 and a bottom wall 24, the top of the inner member being open. The front wall 22 is provided with a transverse slit 25 which, when the members A and C are assembled, has its ends coincident with the ends of the slit 19 so that the holding tab 20 may be inserted through this slit 25 to lie within the member C against the inner surfaces of the front wall 22.

In the modified form shown in Figures 6, 7 and 8 a weakened line 26 extends across the side walls 21 and back wall 23 from the ends of the slit 25 and a weakened line 27 extends around

the member A in correspondingly spaced relation to the bottom edges of this outer member. Also a supplementary slit 28 is formed in the wall 22 of that form, the slit 28 being spaced below the slit 25 a distance equal to the spacing of the slit 25 from the top edge of the wall 22. The arrangement of the weakened lines 26 and 27 and supplementary slits 28 may be repeated several times if desired. Obviously, if a portion of the inner member C is torn off along one of the weakened lines 26 and a portion of the outer member A is torn off on a corresponding weakened line 27, the two portions, when assembled, will be in position such that the tab 20 may coact with a slit 28.

In use the members A and C are separated and the thinly wrapped package of tobacco is inserted in the inner member after which the outer member is slipped over the inner member. When it is desired to obtain access to the tobacco, the tab 20 is grasped and the portion B released from the body of the member A by tearing along the weakened lines 18. This portion B may now be swung back on the fold or crease line 14 constituting the hinge. When thus opened, the inner package of tobacco may be torn open and the tobacco extracted. In closing the box, the guide tabs 17 act to prevent the ends of the sides of the closure from slipping inside of the top of the inner member C. Insertion of the holding tab 20 through the slot 25 serves to hold the cover frictionally in closed position.

After part of the tobacco is used, the members A and C may be separated, removable portions torn off, and the parts reassembled. This will bring the remaining tobacco close to the top for easy access.

It is obvious that this same construction may be used for cigars, cigarettes and a wide variety of other purposes, the opening of the portion B affording access to whatever may be packed in this box.

What is claimed is:

1. In a box of the kind described, an outer member open at the bottom and closed at the top, an inner member open at the top and closed at the bottom telescopically fitting in said outer member, said members each having side and front walls and the outer member having a top wall, said outer member having a portion of its top wall hinged to the remainder of the top wall and having portions of its side and front walls carried by the hinged portion of the top wall and engageable with the outer face of the top portions of the side and front walls of the inner member when the box is closed, the side walls of the said hinged portion having guide tabs adjacent the hinged end of the top and engaging the side walls of the inner member upon the hinged portion being fully opened.
2. In a box of the kind described, an outer member open at the bottom and closed at the top, an inner member open at the top and closed at the bottom telescopically fitting in said outer member, said members each having side and front walls and the outer member having a top wall, said outer member having a portion of its top wall hinged to the remainder of the top wall and having portions of its side and front walls carried by the hinged portion of the top wall and engageable with the outer face of the top portions of the side and front walls of the inner member when the box is closed, the front wall of the hinged portion having a downwardly extending holding tab and the front wall of the inner portion having a slit receiving said holding tab.
3. In a box of the kind described, an outer member open at the bottom and closed at the top, an inner member open at the top and closed at the bottom telescopically fitting in said outer member, said members each having side and front walls and the outer member having a top wall, said outer member having a portion of its top wall hinged to the remainder of the top wall and having portions of its side and front walls carried by the hinged portion of the top wall and engageable with the outer face of the top portions of the side and front walls of the inner member when the box is closed, the side walls of the said hinged portions having guide tabs adjacent the hinged end of the top end engaging the side walls of the inner member upon the hinged portion being fully opened, the front wall of the hinged portion having a downwardly extending holding tab and the front wall of the inner portion having a slit receiving said holding tab.
4. In a box of the kind described, a box having outer and inner layers at the ends and front of its top portion and having a top wall carried by said outer layer, said top wall having a transversely extended fold line forming a hinge portion, the side portions of the outer layer having each a slit extending downward from a respective end of the fold line and curved to provide a rearwardly extending slit, said outer layer having weakened tear lines extending from the lower ends of said slits to the front of the box and having a downwardly arched slit in the front connecting said tear lines, the hinged portions thus defined constituting a closure for the box having a depending tab at its free front portion constituting closure manipulating means.
5. In a box of the kind described, a box having outer and inner layers at the ends and front of the top portion and having a top wall carried by said outer layer, said top wall having a transversely extended fold line forming a hinge portion, the side portions of the outer layer having each a slit extending downward from a respective end of the fold line and curved to provide a rearwardly extending slit, said outer layer having weakened tear lines extending from the lower ends of said slits to the front of the box and having a downwardly arched slit in the front connecting said tear lines, the hinged portions thus defined constituting a closure for the box having a depending tab at its free front portion constituting closure manipulating means, said inner layer having a transverse slit positioned to receive said depending tab when the closure is closed whereby said tab also constitutes securing means.
6. In a box of the kind described, an outer member open at the bottom and closed at the top, an inner member open at the top and closed at the bottom telescopically fitting in said outer member, said members each having side and front walls and the outer member having a top wall, said outer member having a portion of its top wall hinged to the remainder of the top wall and having portions of its side and front walls carried by the hinged portion of the top wall and engageable with the outer face of the top portions of the side and front walls of the inner member when the box is closed, the front wall of the hinged portion having a downwardly extending holding tab and the front wall of the

inner portion having a slit receiving said holding tab, said members having weakened tear lines extending therearound and correspondingly spaced from the lower end of the outer member and upper end of the inner member.

7. In a box of the kind described, an outer member open at the bottom and closed at the top, an inner member open at the top and closed at the bottom telescopically fitting in said outer member, said members each having side and front walls and the outer member having a top wall, said outer member having a portion of its top wall hinged to the remainder of the top wall and having portions of the side and front walls carried by the hinged portion of the top 15

5 wall and engageable with the outer face of the top portions of the side and front walls of the inner member when the box is closed, the front wall of the hinged portion having a downwardly extending holding tab and the front wall of the inner portion having a slit receiving said holding tab, said members having weakened tear lines extending therearound and correspondingly spaced from the inner end of the outer member and upper end of the inner member, and the inner member having at least one additional front transverse slit position to receive said holding tab upon a portion of the inner member being removed along one of its tear lines.

FRANK C. SHINA.