

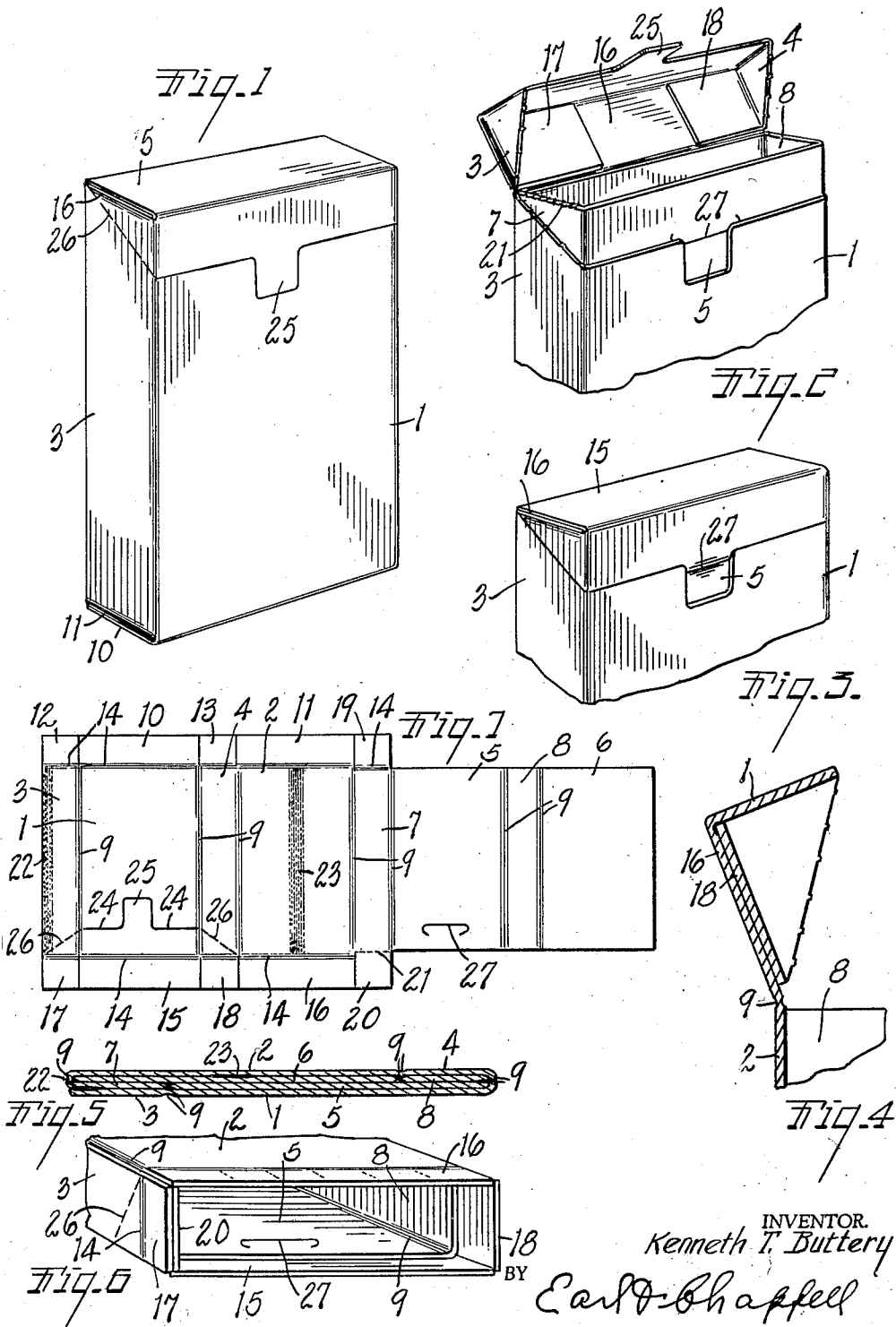
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BOX OR CONTAINER

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BOX OR CONTAINER

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This invention relates to improvements in a box or container.

The main objects of this invention are:

First, to provide a box or container which is well adapted for use as a tobacco box or package and for other commodities where tin has been commonly used.

Second, to provide a box or container formed entirely of fibrous paper stock such as carton or container board which may be readily opened and at the same time effectively sealed with revenue stamps such as are commonly employed on tobacco packages, the revenue stamps being destroyed when the container is opened.

Third, to provide a structure having these advantages which is strong and rigid and may be carried in the pocket.

Fourth, to provide a box or container which may be formed of a single integral blank and produced in the knockdown form largely by machinery and readily set up by sealing machinery of types now in quite extensive use.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a front perspective view of a box or container embodying the features of my invention.

Fig. 2 is a fragmentary front perspective view with the cover partially opened.

Fig. 3 is a fragmentary front perspective view with the cover in reclosed position.

Fig. 4 is an enlarged fragmentary vertical section with the cover in partially open position.

Fig. 5 is a transverse section of the collapsed box or container.

Fig. 6 is a fragmentary perspective view of the top end of the box in erected position but prior to the sealing of the top closure members.

Fig. 7 is a plan view of the blank with certain zones of adhesive applied thereto.

In the accompanying drawing, I have illustrated my invention as embodied in a box or container adapted as a tobacco box or container. It will be understood that this is for purposes of illustration and that my invention is capable of embodiment in boxes or containers of various sizes and for various uses.

The embodiment of my invention illustrated in the accompanying drawing comprises on outer front wall 1, an outer rear wall 2, and outer end

walls 3 and 4. It also comprises inner front walls 5, inner rear wall 6, and inner end walls 7 and 8. These walls are arranged in alignment in a single or integral blank, the several walls being hingedly connected by score or flexing lines 9.

It will be noted that the inner walls are at or constitute one end of the blank while the outer walls constitute the other end of the blank.

The outer front and rear walls 1 and 2 are provided with bottom closure members 10 and 11 respectively while the outer end walls 3 and 4 are provided with bottom closure members 12 and 13 respectively. These closure members are hingedly or flexibly connected to their respective walls by scores 14.

The outer front and rear walls 1 and 2 are provided with top end or closure members 15 and 16 respectively while the outer end walls 3 and 4 are provided with top end closure members 17 and 18 respectively. These top closure members are hingedly or bendably connected to their respective walls by scores or bending connections 14.

The inner end wall 7 is provided with a bottom closure flap or member 19 bendably connected thereto by the score 14. It is provided with a top flap 20 connected thereto by the severance line 21 so that this top flap may be readily pulled off when the container is opened as will be hereafter described.

The blank is designed to be folded into the form shown in Fig. 5 by machinery and suitable adhesive applied thereto, a strip of adhesive being shown at 22 along the outer end wall 3 and a strip of adhesive 23 being provided on the inner side of the outer rear wall. It will be understood, however, that the adhesive could be applied to the opposed lapping portions.

With adhesive applied as illustrated, the inner wall portion of the blank is folded along the score line connecting the inner end wall 8 to the inner front wall 5 and the parts thus folded are again folded along the score line 9 connecting the inner wall 7 to the rear wall 2. This brings the outer side of the rear inner wall into opposed relation to the inner side of the outer rear wall and a seal is effected along the zone 23 to which adhesive has been applied.

The blank is then folded along the score line connecting the front outer wall with the outer end wall 4 which brings the outer end wall 3 into superimposed relation to the outer side of the inner end wall 7 and these walls are adhesively secured along the zone to which adhesive has been applied. No adhesive is applied to the

end member 20 of the inner end wall 7 and to prevent any adhesion the outer side of the member 20 is coated with ink when the carton is printed prior to the folding or setting up thereof. It is understood that ordinary adhesives are not effective on surfaces coated with printer's ink.

I have not illustrated the sealing of the top and bottom end flaps or closure members but it will be understood that they are folded into overlapping relation and the overlapping parts secured together by suitable adhesive except for the part 20 as described.

The outer front wall 1 is provided with a line of severance 24 arranged to provide a central tongue 25. In this embodiment, the line of severance is a complete severing slit in the outer front wall. The outer end walls have diagonally disposed fracturing lines of severance or zones 26 extending from the ends of the lines of severance 24 of the outer front wall to the flexing or hinge connection 14 for the top closure flap 16 of the rear outer wall so that when these lines of severance 26 are broken, a cover is provided, hinging on the score line 14 and closable over the upper ends of the inner front and end walls as shown in the drawing.

The front inner wall has a slit 27 therein adapted to receive the tongue 25 and frictionally retain the same when the cover is reclosed. This permits repeated opening and closing of the container and a container which opens effectively for dispensing of the contents.

It is contemplated that this container shall be filled before the top closure flaps are sealed and when opened the top flap 20 may be pulled off if desired, and it has been removed in Fig. 2.

With the parts thus arranged, I provide a container or box of fibrous container stock which is well adapted for use as a substitute for metal containers. It is strong and rigid and may be repeatedly handled should occasion require.

It will be understood that I have shown my improvements as embodied in a relatively flat package or container designed to be carried in the pocket and I have used the terms front, rear and end as relative terms and not in regard to dimensions.

I do not deem it necessary to illustrate other embodiments or adaptations of my invention as it is believed that it will be readily understood by those skilled in the art to which my invention relates.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A box or container comprising outer front, rear and end walls and inner front, rear and end walls, said several walls being aligned and hingedly connected in an integral blank, the walls including the outer front, rear and end walls and also the inner end wall positioned in the blank adjacent the outer rear wall all having top and bottom closure members hingedly connected thereto, the inner front, rear and end walls being at one end of the blank, the outer front, rear and end walls being at the other end of the blank, the outer side of the inner rear wall being adhesively secured to the inner side of the outer rear wall and the outer end wall at the end of the blank being adhesively secured to the inner end wall provided with the end closure members, the outer front wall having a severance zone extending thereacross substantially below its upper edge, the outer end walls having fracturing zones extending from the ends of said

severance zone of said outer front wall to the hinging connection of the outer rear wall top closure member, the portions of said front and end walls above said severance zones constituting a cover adapted to close over the upper ends of the inner front and end walls which constitute a neck for the container, the outer front wall being slit to provide a closure tongue and the inner front wall having a slit therein adapted to receive said tongue when the cover is in closed position, the closure member at the upper end of the inner end wall being readily severable when the cover is opened.

2. A box or container comprising outer front, rear and end walls and inner front, rear and end walls, said several walls being aligned and hingedly connected in an integral blank, the walls including the outer front, rear and end walls and also the inner end wall positioned in the blank adjacent the outer rear wall all having top and bottom closure members hingedly connected thereto, the inner front, rear and end walls being at one end of the blank, the outer front, rear and end walls being at the other end of the blank, the outer side of the inner rear wall being adhesively secured to the inner side of the outer rear wall and the outer end wall at the end of the blank being adhesively secured to the inner end wall provided with the end closure members, the outer front wall having a severance zone extending thereacross substantially below its upper edge, the outer end walls having fracturing zones extending from the ends of said severance zone of said outer front wall to the hinging connection of the outer rear wall top closure member, the portions of said front and end walls above said severance zones constituting a cover adapted to close over the upper ends of the inner front and end walls which constitute a neck for the container, the closure member at the upper end of the inner end wall being readily severable when the cover is opened.

3. A box or container comprising outer front, rear and end walls, and inner front, rear and end walls, said several walls being formed of a blank wound continuously in the same direction about the container the outer front, rear and end walls and one of the inner end walls having closure members bendably connected to the ends thereof, the top closure member of said inner end wall being readily severable along the line of its connection to the end wall, the inner and outer rear walls being adhesively secured together, one outer end wall being adhesively secured to the inner end wall having the said end closure members but not adhesively secured to the said readily severable end closure member thereof, the end closure members being otherwise adhesively secured together, the outer front and end walls having lines of severance below their upper edges, the lines of severance of said outer end walls extending from the lines of severance of the said outer front wall to the flexing line connecting the top closure member of the rear wall to the rear wall, the line of severance of said outer front wall providing a tongue, the portions of said outer front and end walls above such lines of severance constituting a cover adapted to close over the upper ends of the inner front and end walls, the inner front wall having a slit adapted to receive said tongue when the cover is closed.

4. A box or container comprising outer front, rear and end walls, and inner front, rear and end walls, said several walls being formed of a blank wound continuously in the same direction about

the container, the outer front, rear and end walls and one of the inner end walls having closure members bendably connected to the ends thereof, the top closure member of said inner end wall being readily severable along the line of its connection to the end wall, the inner and outer rear walls being adhesively secured together, one outer end wall being adhesively secured to the inner end wall having the said end closure members but not adhesively secured to the said readily severable end closure member thereof, the end closure members being otherwise adhesively secured together, the outer front and end walls having lines of severance below their upper edges, the lines of severance of said outer end walls extending from the lines of severance of the said outer front wall to the flexing line connecting the top closure member of the rear wall to the rear wall, the portions of said outer front and end walls above such lines of severance constituting a cover adapted to close over the upper ends of the inner front and end walls.

5. A box or container comprising front, rear and end, outer walls and front, rear and end, inner walls, said several inner and outer walls

being aligned and hingedly connected in a blank wound continuously in one direction about the container, one outer end wall being at one end of the blank, said front, rear and end outer walls having closure members bendably connected at the ends thereof, an inner end wall adjacent said outer end wall, having a closure member bendably connected to the top thereof, the inner and outer rear walls being adhesively secured together, said outer end wall at one end of the blank being adhesively secured to said inner end wall adjacent thereto but not adhesively secured to the closure member at the top of said inner end wall, the closure members being otherwise adhesively secured together, the front and the end outer walls having lines of severance below their upper edges, the lines of severance of the outer end walls extending from the line of severance of the front outer wall to the outer rear wall, the portions of said front and end walls above said lines of severance constituting a cover adapted to close over the upper ends of the front, rear and end inner walls.

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