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C. S. ANDREWS

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ONE-PIECE BOX

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Fig. 1

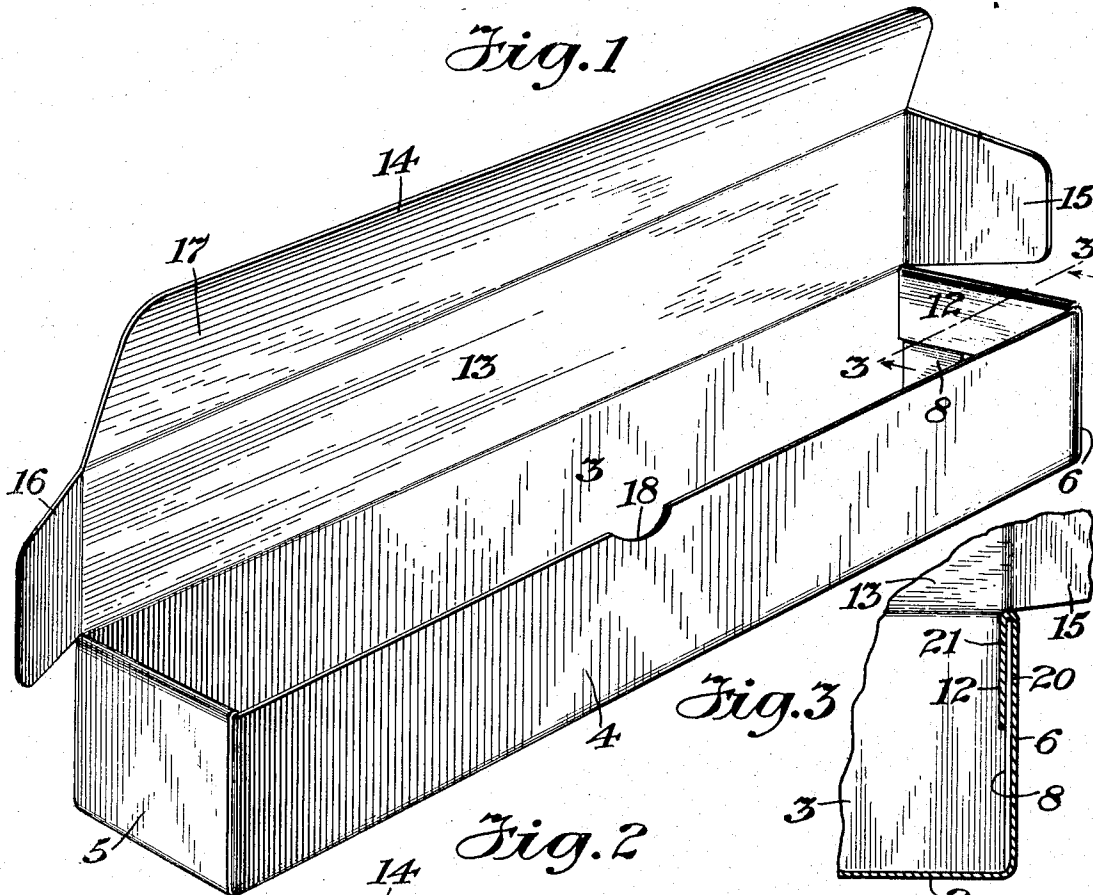


Fig. 3

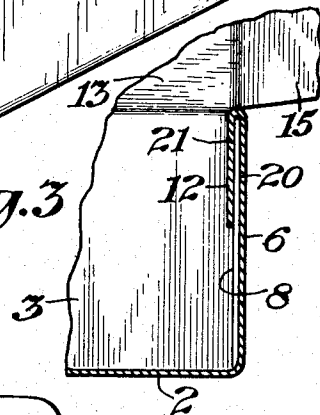
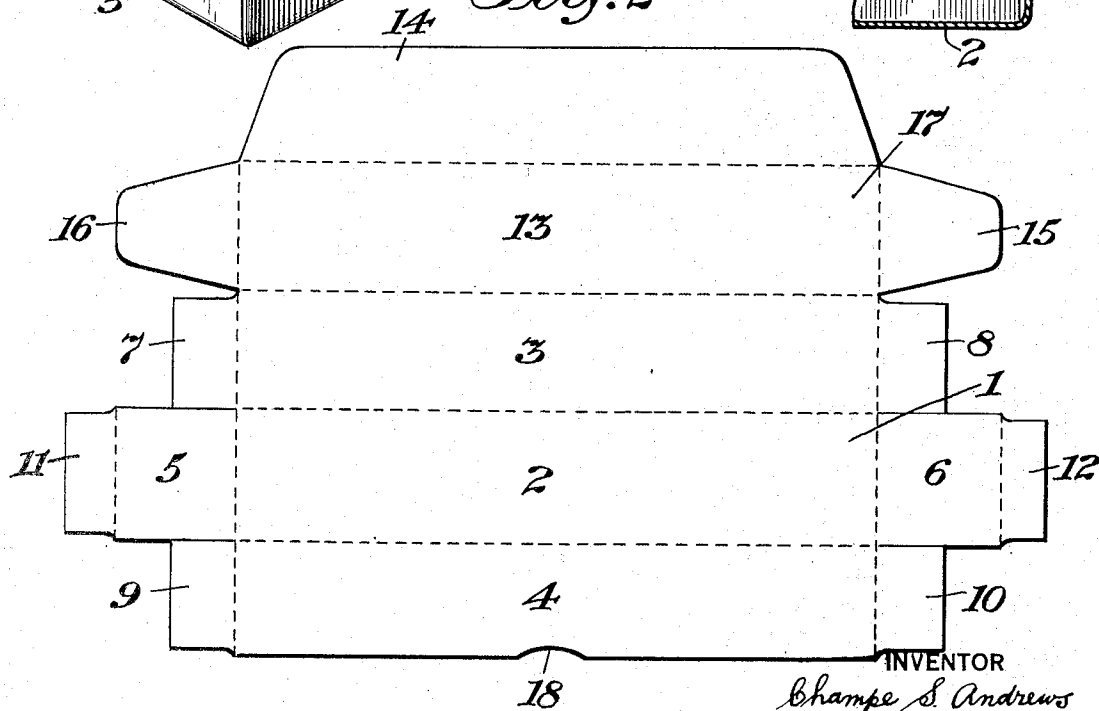


Fig. 2



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ONE-PIECE BOX

Application filed February 1, 1926. Serial No. 85,138.

This invention relates to containers, and more particularly to boxes for holding merchandise and the like, which are made from a one piece blank of paper board or other suitable material.

According to the invention a box is provided which comprises a body and a cover hingedly connected thereto, the entire box being made from a single piece of paper board or other suitable material suitably cut and creased so that it can be folded to the desired shape. The box may comprise a body having a bottom wall with side walls and end walls suitably attached thereto, the side walls and end walls having flaps for connecting the side walls and end walls together when the box is formed to shape. The cover which may be hingedly connected to a side wall may have a side flap and end flaps for tucking within the body when the box is in closed position.

In the drawings accompanying and forming part of this specification, a practical commercial embodiment of the invention is disclosed, but as such illustration is primarily for purposes of disclosure, it will be understood that the structure may be modified in various respects without departure from the broad spirit and scope of the invention as hereinafter defined and claimed.

In the drawings,

Fig. 1 is a perspective of the box in its formed position with the cover open showing details of construction;

Fig. 2 is a development of the blank from which the box is made, showing the manner in which it is creased and cut in the box making machine; and

Fig. 3 is a section taken on the line 3—3 of Fig. 1 showing a detail of construction.

In the following description and in the claims parts will be identified by specific means for convenience, but they are intended to be as generic in their application to similar parts as the art will permit.

Referring now to the drawing, the box or container according to the invention may be made from a single piece of good grade paper board or any other suitable material suitably cut and creased along the dotted lines as illus-

trated in Fig. 2. The box may comprise a bottom wall 2 with side walls 3 and 4 attached thereto and formed by bending the blank along the creases as illustrated. The end walls 5 and 6 are similarly formed by bending the blank along the end wall creases. Each side wall 3 and 4 may have at its ends side wall flaps 7, 8, 9 and 10 attached thereto and formed by creasing the material. Each end wall 5 and 6 may have an end wall flap 11 and 12 respectively at its upper end which is formed by creasing the material.

The cover 17 may be secured to the side wall 3 and may comprise a cover wall 13 which is hingedly secured to the side wall 3 by creasing the material. The cover 17 may also comprise a side flap 14 and two end flaps 15 and 16 which have their corners rounded to facilitate tucking into the body 1 as hereinafter described more in detail.

To form the box the side walls 3 and 4 and end walls 5 and 6 of the blank are bent upwardly on their creases and the side wall flaps 7, 9 and 8, 10 are disposed inside the end walls 5 and 6 respectively. The end wall flaps 11 and 12 are then bent over to be disposed inside the side wall flaps 7, 9 and 8, 10 respectively. These flaps may be glued or connected together by suitable adhesive in any desired manner. It is preferable, however, to secure the upper portions only of the side wall flaps 7, 9 and 8, 10 to the upper portions only of the end walls 5 and 6 respectively as by applying a small amount of glue or other adhesive at 20 in Fig. 3 and to the end wall flaps 11 and 12 respectively as by applying a small amount of glue or other adhesive at 21 in Fig. 3. This provision allows the box to be formed from the blank with a minimum amount of time and expense for applying the glue or other adhesive.

The side flap 14 and end flaps 15 and 16 of the cover may be bent toward each other at right angles to the cover wall 13 so that they may be easily tucked into the body, the length or depth of the side flap 14 and end flaps 15 and 16 limiting the inward movement of the cover by resting upon the bottom wall 2 to hold the cover wall 13 in substantial parallelism with the bottom wall 2.

It will be understood that the upper edge of the side 4 of the body opposite that to which the cover is hingedly secured may have a portion 18 cut away to facilitate engaging the cover with the thumb or other member to open the same.

While I have shown and described and have pointed out in the annexed claims certain novel features of the invention, it will be understood that various omissions, substitutions and changes in the forms and details of the device illustrated and in its operation may be made by those skilled in the art without departing from the spirit of the invention.

Having described my invention, I claim:

1. A container and cover therefor composed of a single blank, said container having a bottom wall and side and end walls, said cover extending from and being hinged on one side wall, said side walls having side wall flaps on their vertical edges, said end walls having end wall flaps on their upper edges, said side wall flaps being disposed between their respective end walls and end wall flaps, the upper portions only of said side wall flaps having adhesive on both faces, whereby said side wall flaps, are firmly adhesively secured between said end walls and said end wall flaps respectively.

2. A container and cover therefor composed of a one piece blank, said container comprising a body having a bottom wall and side and end walls attached thereto, said cover extending from and being hinged on one side wall, said side walls having side wall flaps on their vertical edges, said end walls having end wall flaps on their upper edges, said side wall flaps being disposed inside their respective end walls, said end wall flaps being bent over their respective side wall flaps, the upper portions only of said side wall flaps having adhesive on both faces, whereby said end walls and said end wall flaps may be secured to said side wall flaps.

3. A container of the class described comprising a body or receptacle, a cover, a tuck-in retaining flap for said cover, said body having a front wall, a back wall and side or end walls, said cover being connected to and extending from said back wall, said body and cover being composed of a one piece sheet blank divided into substantially parallel sections defined by creased or folding lines; certain of said sections forming the front, bottom and back walls of the container and other sections forming said cover and said tuck-in flap; folding extensions connected to the front and back wall sections partly forming the said end walls, extensions from the bottom section folding to complete said end walls and folding flaps extending from the latter extensions arranged to fold over and to be adhesively secured to the end walls whereby said container is retained in its assembled condition.

4. A container of the class described comprising a body or receptacle, a cover, a tuck-in retaining flap for said cover, said body having a front wall, a back wall and side or end walls, said cover being connected to and extending from said back wall, said body and cover being composed of a one piece sheet blank divided into substantially parallel sections defined by crease or folding lines; certain of said sections forming the front, bottom and back walls of the container and other sections forming said cover and said tuck-in flap; folding extensions connected to the front and back wall sections partly forming the said end walls, extensions from the bottom section folding to complete said end walls, folding flaps extending from the latter extensions arranged to fold over and to be adhesively secured to the end walls whereby said container is retained in its assembled condition and said folding flaps being reduced in width so as to avoid spreading of the adjacent walls of the container.

5. A container of the class described comprising a body or receptacle, a cover, a tuck-in retaining flap for said cover, said body having a front wall, a back wall and side or end walls, said cover being connected to and extending from said back wall, said body and cover being composed of a one piece sheet blank having substantially parallel sections defined by creased or folding lines; certain of said sections forming the front, bottom and back walls of the container and other sections forming said cover and said tuck-in flap; folding extensions connected to the front and back wall sections partly forming the said end walls, extensions from the bottom section folding to complete said end walls, folding flaps extending from the latter extensions arranged to fold over and to be adhesively secured to the end walls whereby said container is retained in its assembled condition and said cover section having laterally extending wings or flaps which are arranged to be inserted in the ends of the container so as to completely close the same and provide additional means for retaining the cover in the closed position.

In testimony whereof I have hereunto set my hand.

CHAMPE S. ANDREWS.

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