

July 14, 1959

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2,894,673

CARDBOARD BOXES

Filed Sept. 11, 1958

2 Sheets-Sheet 1

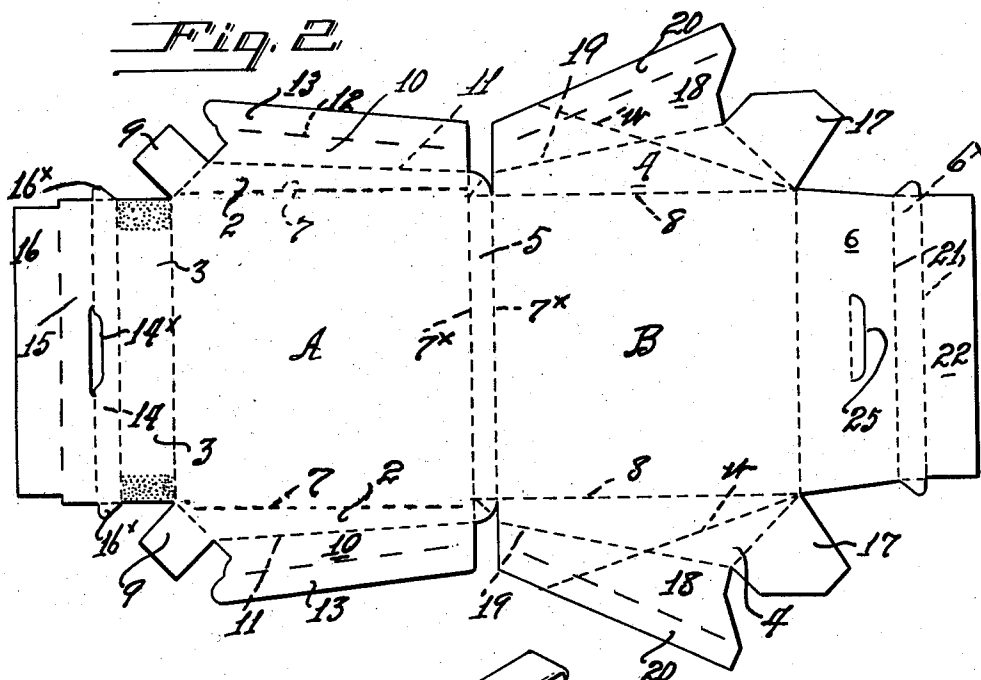
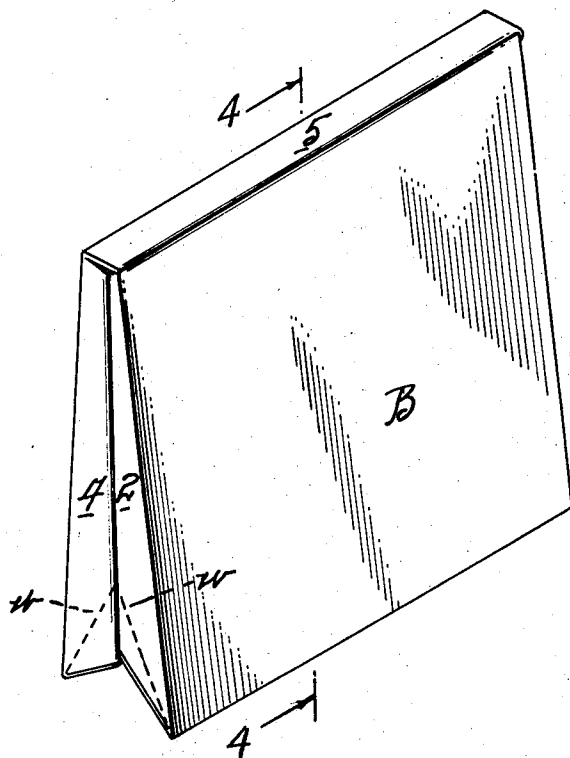


Fig. 1

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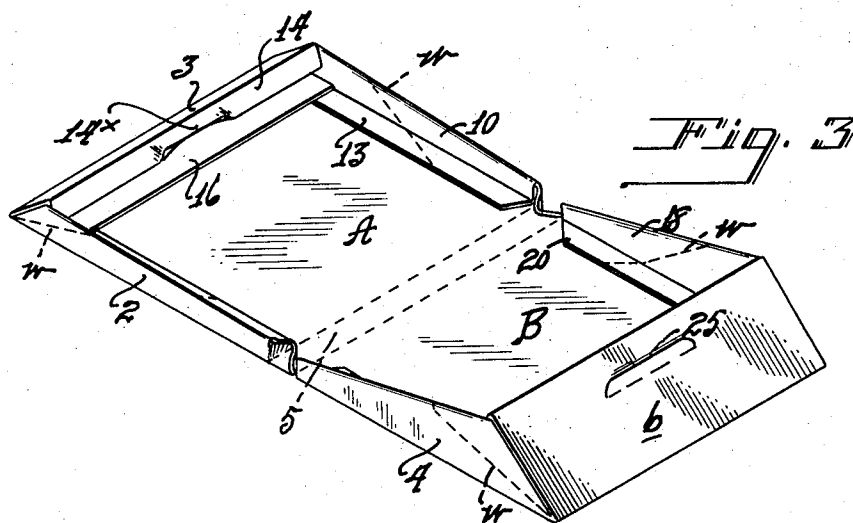
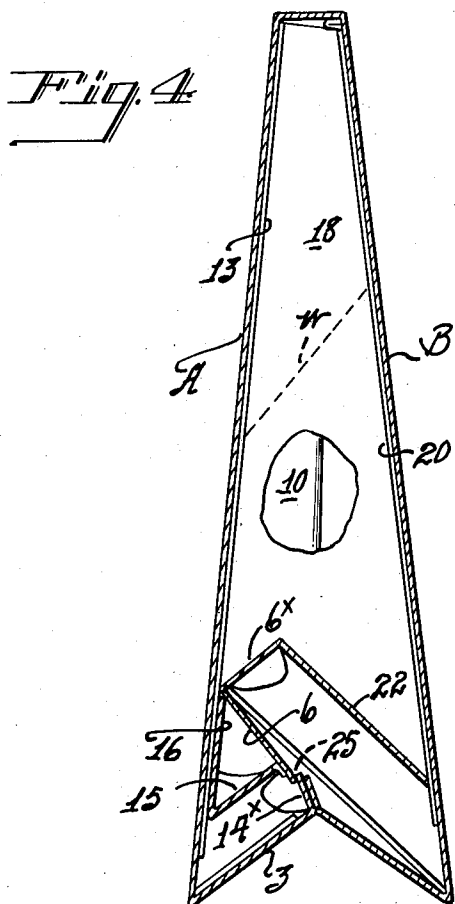
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CARDBOARD BOXES

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Application September 11, 1958, Serial No. 760,476

2 Claims. (Cl. 229—36)

The object of the present invention is to provide a cardboard box constructed of a single blank which is formed up into two connected members connected at a hinge line for folding into open and closed positions, with the margins of one member somewhat telescoping into the second member.

The invention will be described with reference to the accompanying drawings, in which:

Fig. 1 is a perspective view, showing the box closed.

Fig. 2 is a plan view of the blank, dotted lines showing lines of fold.

Fig. 3 is a perspective view of the box open.

Fig. 4 is a section on the line 4-4, Fig. 1, partly broken away, showing the two sections of the box in latched position.

Referring to the drawings, I have shown a box which may preferably be formed of cardboard. It consists of two like halves having as to one half a major face wall A, side walls 2 and front wall 3. As to the second box half, it has a major face wall B, side walls 4, a back wall 5, and a front wall 6. As shown in the drawing, the front walls are inwardly inclined. The two box halves are connected at the back by two scored hinge lines 7^x.

It will be noted that the half of the box which carries major wall A telescopes over the second box half carrying major wall B. For such purpose the fold lines 7 at the sides of box half A lie outwardly a short distance relatively to the fold lines 8 for the sides of the box half B.

The blank is folded to form the completed box in the following manner: Wall 3 is folded upwardly as well as the side walls 2. The lips 9 are bent inwardly and are then glued to wall 3. Each side wall is lapped by bending down the area 10 thereof on the score line 11, whereas the outer area bounded inwardly by the score line 12 is bent horizontally to form a foot 13. The area 14 of end wall 3 is then bent inwardly to lie at an angle with major wall A, followed by inward bending of wall area 15 and bending of wall area 16 to lie flat over members 13 and parallel with major wall A. In this formation the

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fingers 16^x are automatically snapped into latching position against the edges of wall areas 10.

The second half of the box which carries major face wall B is formed up as follows: The side walls 4 are bent upwardly and the lips 17 are bent inwardly. Wall 6 is bent upwardly and the lips 17 are glued to its inner surface. Side wall areas 18 are bent down on fold line 19, in each case, and the foot areas 20 are bent parallel with major wall B. Thereupon wall section 6 is bent on the lines 21 so as to be downwardly inclined and wall area 22 is bent inwardly so that its bottom edge is close to, or abuts, major wall B. Wall 6 is formed with a latch opening at 25 to be entered by fingers 14^x, as shown in Fig. 4. To weaken some of the walls for aid in folding, but not for folding at said weakened lines, such lines may be placed as at w.

Having described my invention, it will be understood that various minor modifications may be made in the embodiment without departing from the spirit of the invention.

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

1. A box of cardboard or the like composed of two triangular sections as to the side walls thereof, the sections being hinged together and having, when closed together, a front V-shaped formation formed by the two halves of the box joined at said hinge line, one half telescoping into the other, the first half of the box being formed of a front wall which is inwardly inclined and which merges into a downwardly inclined section, the latter merging into an outwardly inclined section which in turn merges into a foot section parallel with a major face of the box, each side wall of said first box half being extended upwardly, thence inwardly and downwardly and thence with a footing section parallel with the major face of said box half; the second box half being formed with a front wall which is inclined inwardly and which merges into an area bent downwardly and inwardly and which merges into a section bent outwardly, the sides of said second box half being bent upwardly, thence downwardly and thence parallel with the major face of said box half as a footing thereupon, one box half telescoping into the second box half.

2. A box or cardboard or the like constructed in accordance with claim 1, in which the downwardly inclined section of the front wall of the first named half of the box is formed with a slot and a bulged wall projection therealong at the inner edge thereof and the second box half front wall is formed with a slot and a bulged wall area therealong for connection with said first named slotted bulge.

No references cited.