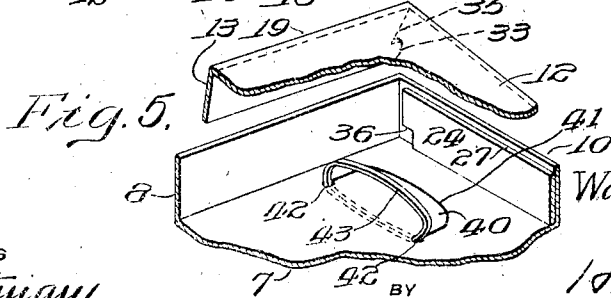
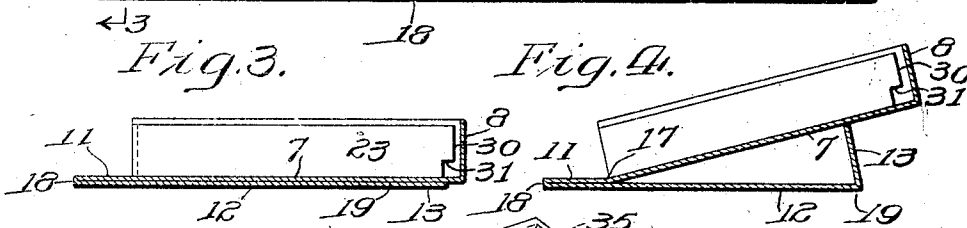
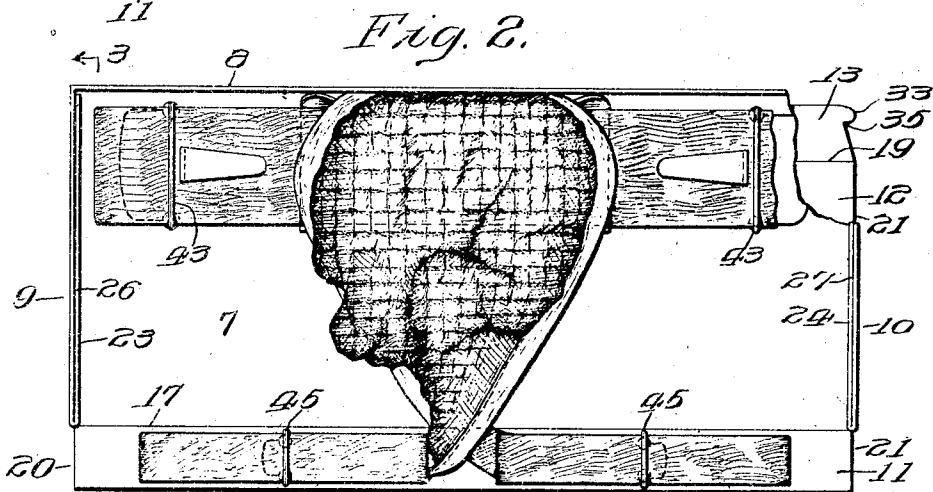
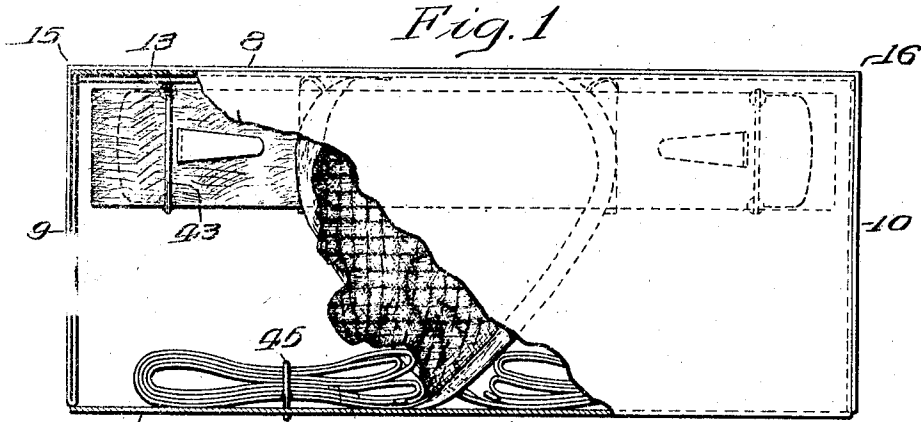


W. F. WARE.
FOLDING BOX.
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1,056,474.

Patented Mar. 18, 1913.



WITNESSES
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FOLDING BOX.

1,056,474.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WALTER F. WARE, a citizen of the United States, and a resident of Haddonfield, county of Camden, State of New Jersey, have invented certain new and useful Improvements in Folding Boxes, of which the following is a specification, reference being had to the accompanying drawing.

10 This invention particularly relates to display boxes or cases for inclosing commercial articles, and adapted to display said articles when opened, without removing the contents.

15 The principal object of this invention is, to provide a display box or casing in which the lid, which is integral therewith, may be folded back beneath the bottom of said box in parallel relation to said bottom, where-
20 by said box when on display may occupy a minimum space, without hiding or otherwise interfering with the display of adjacent surrounding articles.

Other objects of this invention are, to
25 provide a folding box with a movable side; to provide means for supporting the lid within the walls of said box; to provide means for automatically locking said lid in closed position; and to provide means
30 on said lid to support the box body in tilted position.

Specifically stated, this invention comprehends a box or casing having a side and ends fixed with respect to the bottom, a side
35 hingedly connected with said bottom and with the lid, and said lid having a flap hingedly connected at its free edge and having extensions arranged to engage complementary notches in said box for retaining
40 said lid in closed position.

This invention also comprehends the means for fastening the articles in the box or casing, which permits the use of a continuous elastic band.

45 Briefly stated, this invention comprises a box formed of a single piece of sheet material, the end walls of which when flat are extended longitudinally with the end edges of the box lid portion, and folded inwardly
50 to form reinforcements for said end walls, and forming a ledge for supporting the lid, and having notches for engaging the complementary projections on the free edge of said lid, and means formed by cutting a
55 tongue in the sheet material for engaging a

continuous elastic band for holding articles in said box.

This invention also includes all of the various novel features of construction and arrangement hereinafter more definitely
60 specified.

In the accompanying drawing, Figure 1 is a plan view of a box constructed in accordance with this invention, a portion of the lid being broken away to show a well
65 known commercial article inclosed therein; Fig. 2 is a plan view of said box in open position, showing the side extended in a plane with the bottom and the lid folded back parallel therewith; Fig. 3 is a trans-
70 verse vertical sectional view of the box as shown in Fig. 2, taken on the line 3—3 in said figure; Fig. 4 is a view similar to Fig. 3, but showing a possibility of the box being slightly tilted for display, if desired; 75
and Fig. 5 is a fragmentary perspective view of one corner of the box, and the lid in position partly open.

In said figures, the box comprises the bottom 7, rear side wall 8, end walls 9 and 10, 80
front wall 11, and the lid 12 having the flap 13, and may be conveniently formed from a single blank of sheet material, folded to form the desired closure, and having the rear wall 8 and ends 9 and 10 joined at the
85 corners 15 and 16, and the bottom 7 hingedly connected with the front wall 11 along the line 17, and said wall 11 being hingedly connected with the lid 12 along the line 18, and the lid 12 being hingedly connected
90 with the flap 13 along the line 19.

The end walls 9 and 10 in the blank are provided with extensions which project along the edges 20 and 21 of the front wall 11 and lid 12, and are severed therefrom
95 to the folding line 17 and folded inwardly to form the reinforcements 23 and 24 along the inner surface of the respective end wall 9 and 10, and said reinforcements 23 and 24 form ledges 26 and 27 for supporting
100 the end margins of the lid 12 when in closed position.

As shown in the drawings, the reinforcements 23 and 24 have their inner ends 30 slightly spaced from the rear wall 8, and
105 are provided with the notch 31 at their lower inner corner, for purposes which will be hereinafter clearly described.

As best shown in Fig. 5, the notch 31 provides a suitable keeper for the projections 33, 110

which is formed by notching the lateral edge of the flap 13 at 35. It will be obvious that as the lid is closed, the projections 33 at the opposite sides of the flap 13, being rounded at their corners 34, will freely slide in the space between the rear wall 8 and the end 30 of the reinforcements 23 and 24, and when said lid is fully closed by reason of the tension of the flap 13, owing to its folded relation with the lid, it springs inwardly, as best shown in Fig. 1, so that the projections 33 engage beneath the top wall 36 of the notches 31.

As best shown in Figs. 1 and 5, the elastic holder for the articles inclosed in the box is formed by cutting a tongue 40 in the web of the material from which the box or casing is formed, and preferably terminating the cut 41 thus formed in enlarged apertures 42, through which a continuous elastic band 43 may extend by being slipped over said tongue through the cut 41, as best shown in Fig. 5, and, as best shown in Figs. 1 and 2, the front wall 11 may be provided with similar elastic fasteners 45.

It will be obvious that when an article, such as is shown inclosed in the box, is attached to the front wall, it is spread out for display when the front wall is opened, as shown in Fig. 2, and is returned to its compact form without wrinkling any portion of said article, by returning said front wall to its normally closed position, the portion of said article attached to the front wall being thereby slipped beneath the portion in the box.

It may be here noted that a box made in accordance with this invention, may lie flat upon the bottom of a show window or show case, with the lid extended in a plane, as shown in Fig. 3, or the free flap 13 may be bent upwardly, as shown in Fig. 4, to support the box body in tilted position. In either position, however, the lid does not obstruct the view of adjacent surrounding articles on display.

It is not desired to limit this invention to the precise details of construction and ar-

range ment herein set forth, as various modifications may be made therein without departing from the essential features of the invention as defined in the appended claims.

Having thus described my invention, I claim:

1. A folding box formed of a blank of sheet material, and comprising a bottom, side and end walls, and a lid in integral relation, one of said side walls being hingedly connected with said bottom wall and with said lid, and the end walls having extensions of less width than said walls, folded inwardly against the inner surface of said end walls and terminating free of the side wall adjacent to their free ends, and forming ledges for said lid, and a flap hingedly connected to said lid and having means guided by the slot formed between the side wall and the end of said reinforcements, and engageable with said reinforcements to lock said lid in closed position.

2. A folding box comprising a bottom, a side wall in fixed relation with said bottom, end walls in fixed relation to said bottom and side wall, reinforcements extending along the inner sides of said end walls and terminating short of said side wall, and having notches at their lower inner corners, a side wall hingedly connected with said bottom, a lid hingedly connected with the movable side wall and arranged to rest upon said ledges within the walls of said box when closed, and a flap hingedly connected to said lid having projections extending along its outer free ends arranged to slide within said box between the ends of said reinforcements and said side wall, and coöperative with said notches to lock said lid in closed position.

In witness whereof, I have hereunto set my hand this 20th day of February, A. D., 1912.

WALTER F. WARE.

Witnesses:

ROZILLA F. WARE,
JAMES W. CONGER,
CHARLES H. PEACOCK.