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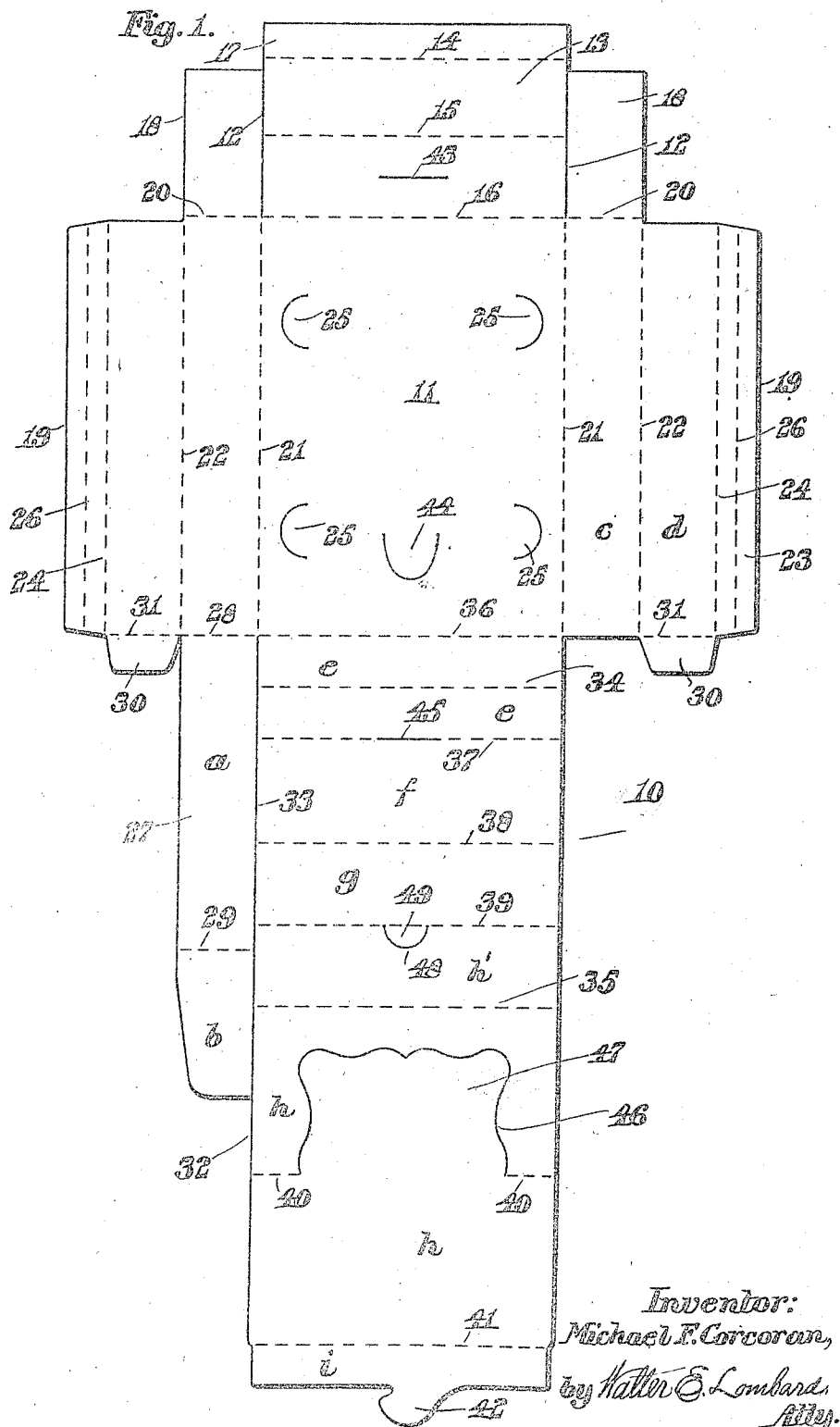
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M. F. CORCORAN

COUNTER DISPLAY FOLDING BOX

Filed June 29, 1921

2 Sheets-Sheet 1



May 20, 1924.

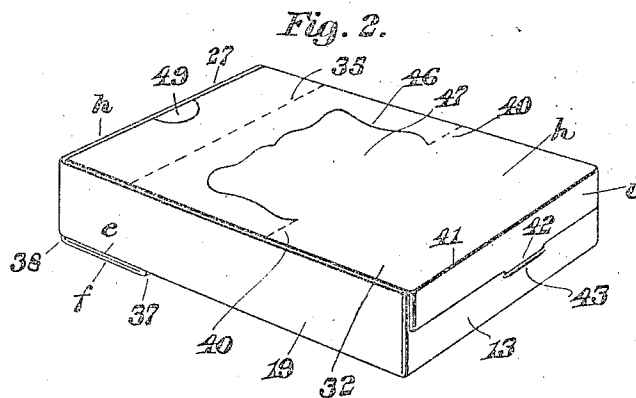
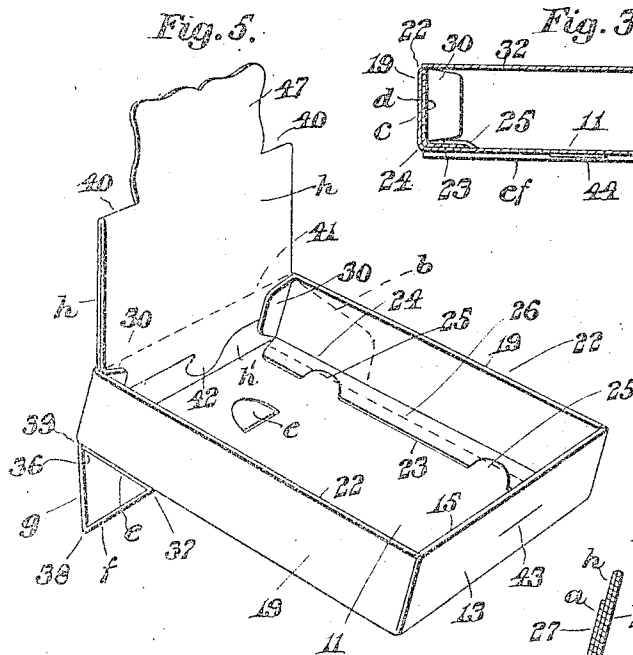
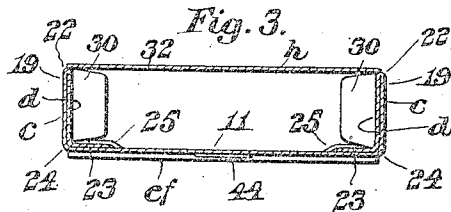
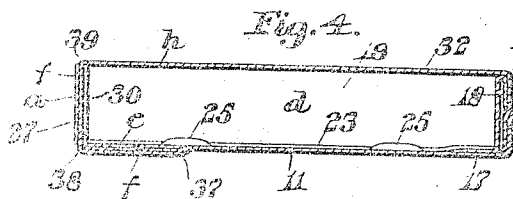
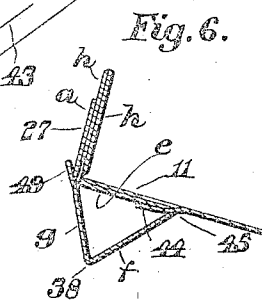
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COUNTER DISPLAY FOLDING BOX

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2 Sheets-Sheet 2



Inventor:
Michael F. Corcoran,
by Walter E. Lombard,
Atty

UNITED STATES PATENT OFFICE.

MICHAEL F. CORCORAN, OF STONEHAM, MASSACHUSETTS, ASSIGNOR TO GEORGE E. CROSBY COMPANY, OF BOSTON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

COUNTER-DISPLAY FOLDING BOX.

Application filed June 29, 1921. Serial No. 461,427.

To all whom it may concern:

Be it known that I, MICHAEL F. CORCORAN, a citizen of the United States of America, and a resident of Stoneham, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Counter-Display Folding Boxes, of which the following is a specification.

10 This invention relates to folding boxes adapted to display upon a counter, articles for sale, and has for its object the production of a device of this character which will serve as a container for said articles during storage and transportation and which may be opened up quickly to uncover the goods, the cover for the box then forming a panel at the rear of the box upon which suitable advertising matter may be shown.

20 The invention consists primarily of a folding box and cover therefor, both formed from a single blank, said cover having an incision therein forming a display panel adapted to extend upwardly when said cover is folded up at the rear of the box.

The invention further consists of a foldable box, the cover of which is provided with a display panel exposed to view whether the box is closed or open.

30 The invention further consists of a foldable box, the cover of which is provided with a fold connected to two folds beneath the box and adapted to be moved relatively to said box to form with said two folds a triangular support at the rear of the box.

The invention further consists in providing said triangular support with a slit to receive a locking clip formed in the bottom of the box.

40 The invention further consists in certain novel features of construction and arrangement of parts which will be understood readily by reference to the description of the drawings and to the claims to be hereinafter given.

For the purpose of illustrating the invention, one preferred form thereof is illustrated in the drawings, this form having been found to give satisfactory and reliable results although it is to be understood that the various instrumentalities of which the invention consists can be variously arranged and organized and the invention is not limited to the precise arrangement and organization of these instrumentalities as herein shown and described except as required by the scope of the appended claims.

Of the drawings:

Figure 1 represents a plan of the blank from which the container is formed.

Figure 2 represents a perspective of the container formed from said blank.

Figure 3 represents a transverse section of said container.

Figure 4 represents a horizontal section of the same.

Fig. 5 represents a perspective of the container opened up to display upon the counter the articles for sale, and

Figure 6 represents a longitudinal section of the rear end of the box when opened.

Similar characters indicate like parts throughout the several figures of the drawings.

In the drawings, 10 is a blank adapted to be folded on the various dotted lines indicated in Fig. 1 to form a container for articles to be sold.

The rectangular portion 11 is adapted to form the bottom of the container.

In one end of the blank 10, slits 12 are cut to form an extension 13 adapted to be folded on the dotted lines 14, 15 and 16, to form the front of the box in two thicknesses as indicated in Fig. 4 of the drawings, the outer end 17 of this extension resting upon the bottom 11.

Between the two thicknesses of the front wall of the box, are positioned the wings 18 forming part of the side extensions 19 and foldable on the dotted lines 20.

These side extensions 19 are foldable on the dotted lines 21 and 22 to form the side walls of the box of two thicknesses.

The outer end portion 23 of each side extension 19 is foldable on the dotted line 24 so that the end portion 23 may rest upon the bottom of the box as indicated in Figs. 3 to 5 inclusive.

When the box is being folded, the outer end portions 23 are inserted beneath the ears 25 formed in the bottom 11, said outer end portions 23 having longitudinal creases 26 therein which facilitate the insertion of the ends 23 beneath the ears 25.

One end of these end portions 23 rests

upon the end portion 17 of the front wall of the box and prevents its displacement.

One of the side extensions 19 has a long wing 27 extending from the end thereof foldable on the dotted lines 28 and 29, the portion *a* between the dotted lines 28 and 29 forming one thickness of the back wall of the box, while the portion *b* between the dotted line 29 and the outer end of said wing is adapted to be inserted between the two thicknesses *c*, *d*, of the opposite folded side wall.

The side extensions 19 are also provided with ears 30 foldable on the dotted lines 31 and adapted to extend toward each other inside of the portion *a* of wing 27.

From the bottom portion 11, opposite to the extension 13, is a long extension 32 separated from the wing 27 by the slit 33.

This extension 32 is provided with two creases 34 and 35 extending transversely thereof and is adapted to be folded over on the dotted lines 36, 37, 38, 39, 40 and 41.

The portion *e* between the dotted lines 36 and 37 is adapted to rest against the bottom of the box and against this folded portion *e* the portion *f*, between the dotted lines 37 and 38, is adapted to rest.

The portion *g*, between the dotted lines 38 and 39, is normally positioned between the portion *a* of wing 27 and the ears 30, while the portion *h*, *h'* between the dotted lines 39 and 41 forms a cover to the box with the portion *i* between the dotted line 41 and the outer end of this extension folded down in contact with the front wall of the box. This portion *i* is locked to the front wall of the box by the projection 42 being inserted into the slit 43 formed in the extension 13.

With the blank folded to form a box, as indicated in Fig. 2 of the drawings, the ear 44 formed in the bottom 11 extends into the slit 45 and retains in position the folded portions *e*, *f* beneath the bottom of said box.

The long extension 32 has an incision 46 cut therein forming a panel 47 of any desired shape, and said extension 32 is provided with another incision 48 forming a supporting ear 49 on which the wing 27 is adapted to rest when the box is opened and adjusted into position to be inclined upon a counter with the cover portion folded back to form a display panel at the rear of the box as indicated in Figs. 5 and 6 of the drawings.

While in storage or transportation, the articles to be sold are packed within the box with the cover closed as indicated in Fig. 2 of the drawings.

When it is desired to display the goods upon the counter, the salesman detaches the projection 42 from the slit 43, raises the extension 32 on the dotted lines 39, and

forces the extension downwardly until the ear 49 is below the wing 27 and then moves this ear 49 outwardly, the extension 32 then being adjusted so that the wing 27 will rest upon said ear, as shown in Fig. 6.

The portion *h'* between the dotted lines 35 and 39, will then be between the wing 27 and the ears 30.

The extension 32 is then folded on the dotted lines 40, and then the portion *i* thereof, between the dotted line 41 and the outer end of said extension 32, is positioned against the front face of the portion *h'* and between this portion *h'* and the ears 30.

Owing to the crease 35 formed in the extension 32, the panel between said crease 35 and dotted line 41 may be inclined to any desired angle relatively to the rear wall of the box.

On the front face of this panel at the rear of the box, any suitable advertising matter may be displayed.

When the extension 32 has been pushed down until the ear 49 is beneath the wing 27, a triangular support is formed beneath the box thereby causing it to be raised into such an inclined position as to best display the contents of the box.

This triangular support is locked in position by means of the ear 49 engaging the wing 27 and by means of the ear 44 extending into the slit 45.

The entire box and cover are formed from a single blank and owing to the manner in which the various portions are folded to form the container, said blank may be constructed from material only finished upon one side as both in opened or closed condition the finished side is always outward.

As a consequence the box may be formed of less expensive material than the foldable boxes now in general use and when it is desired to print matter upon the box, the printing can all be done at one operation as all parts exposed to view in the finished box are on the same side of the blank.

This makes a very rigid box to contain small articles for sale and during shipment and it is obvious that the box can be very quickly and readily adjusted to display the contents thereof upon a counter without in any manner displacing the contents of the box.

It is believed that the operation and many advantages of the invention will be understood without further description.

Having thus described my invention, I claim

1. A collapsible paper box provided with a cover connected at one end to the bottom of the box by a plurality of foldable portions which are adapted, when the cover is lifted, to be moved into triangular relation to each other with the upper face of one portion con-

tacting with the bottom of said box, thereby forming a support for one end of said box.

2. A collapsible paper box provided with a cover connected at one end to the bottom of the box by a plurality of foldable portions which are adapted, when the cover is lifted, to be moved into triangular relation to each other with the upper face of one portion contacting with the bottom of said box; thereby forming a support for one end of said box, and means for locking said foldable portions in adjusted position.

3. A collapsible paper box provided with a cover connected at one end to the bottom of the box by a plurality of foldable portions which are adapted, when the cover is lifted, to be moved into triangular relation to each other with the upper face of one portion contacting with the bottom of said box, thereby forming a support for one end of said box, and an ear in the bottom of the box for insertion in a slit in said foldable portions.

4. A collapsible paper box provided with a cover connected at one end to the bottom of the box by a plurality of foldable portions which are adapted, when the cover is lifted, to be moved into triangular relation to each other with the upper face of one portion contacting with the bottom of said box, thereby forming a support for one end of said box, a wing extending from one side of the box to the opposite side at the rear end of said box and provided with an extension to lock said wing to the opposite side of the box, and an ear on one of said foldable portions of said cover coacting with said wing

to retain said end support in adjusted position.

5. A collapsible paper box provided with a cover connected at one end to the bottom of the box by a plurality of foldable portions which are adapted, when the cover is lifted, to be moved into triangular relation to each other with the upper face of one portion contacting with the bottom of said box, thereby forming a support for one end of said box, a wing formed on one side of the box and extending to the opposite side at the rear end of said box, and provided with means for locking its free end to the opposite side wall of the box.

6. A collapsible paper box having side walls of two thicknesses of material and provided with a cover connected at one end to the bottom of the box by a plurality of foldable portions which are adapted, when the cover is lifted, to be moved into triangular relation to each other and form a support for one end of said box, a wing formed on one side of the box and extending to the opposite side at the rear end of said box, and provided with an ear adapted for insertion between the two thicknesses of the opposite side wall of the box; and an ear in the bottom of the box for insertion in said foldable portions to retain them in triangular relation to each other.

Signed by me at 746 Old South Bldg., Boston, Mass., this 28th day of June, 1921.

MICHAEL F. CORCORAN.

Witnesses:

WALTER E. LOMBARD,
NATHAN C. LOMBARD.