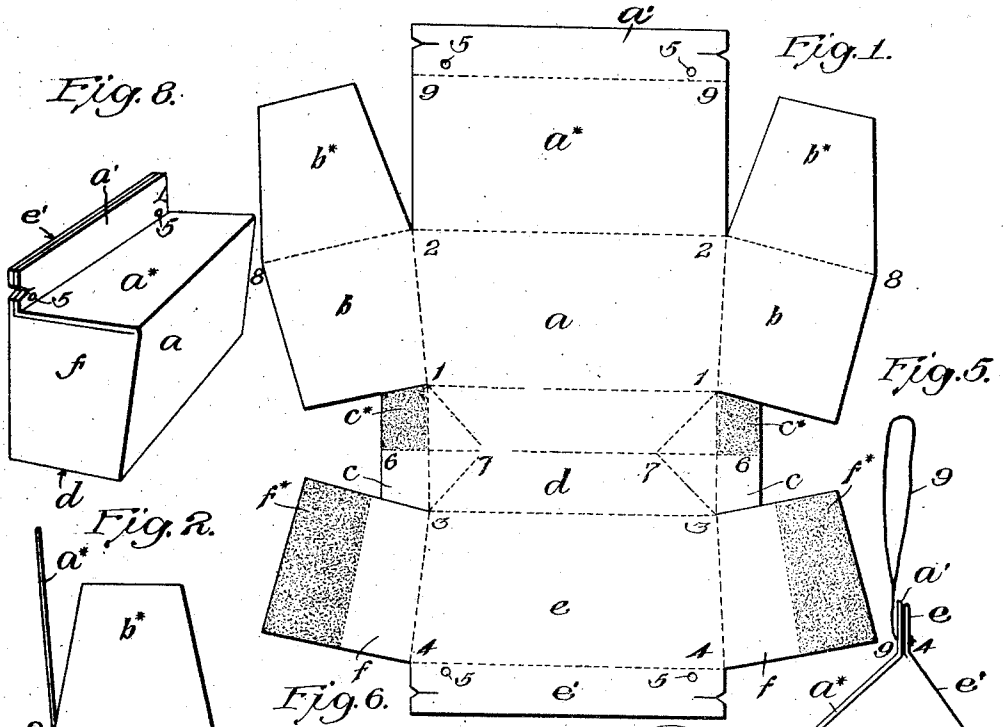
Aug. 24, 1926. 1,597,251

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CARDBOARD FOLDING BOX

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UNITED STATES PATENT OFFICE.

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CARDBOARD FOLDING BOX.

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My invention relates to collapsible or folding carrying boxes made of cardboard or other suitable stiff substance used by tradespeople for packing confectionery, flowers, fancy and other light goods.

My invention relates more particularly to the folding and collapsing of the wallet type of cartons which in the ordinary way nest one within the other in order to save space.

By the introduction of a cardboard or like wallet which will collapse or fold up, and by the creasings of the wallet as hereinafter set forth one is enabled to effect a further saving of space, whilst at the same time preserving the merits of a rigid wallet.

For a clear understanding of the invention, reference is to be had to the following description and sheet of diagrammatic drawings accompanying this specification and illustrative of a cardboard or like wallet made from a single sheet or blank, and wherein:—

Figure 1 is a view illustrative of the blank laid open.

Figure 2 is an end view illustrative of the first folding operations.

Figure 3 is a similar view illustrative of the second folding operations.

Figure 4 is a view of the complete wallet, the same being shown in opened out position.

Figure 5 is an end view of said wallet in its closed up and suspended position.

Figure 6 is a sectional plan view of the wallet in its partly collapsed condition.

Figure 7 is a view of said wallet in its flat and collapsed condition.

Figure 8 is a perspective view of the box formed by the present invention.

Like letters and numerals of reference indicate corresponding parts in the several figures.

In carrying out the invention and referring to the drawings, accompanying this specification, a blank or sheet of cardboard or other stiff and suitable material is cut and creased in the manner shown in Figure 1.

The back part a is then bent up on the crease 1, 1 and the inner end piece b bent inwards on creases 1, 2, and the end pieces c of the bottom d are then bent upwards on creases 1, 3 of the bottom d, and by their portions c^*, to which adhesive is applied, stuck to the front faces of the inner ends b as in Figure 2.

The front part e is then bent upwards on creases 3, 3 and the outer end pieces f bent inwards on the creases 3, 4, said outer pieces f by their portions f^*, to which adhesive is applied, being then stuck down to the front faces of the inner ends b and the turned up portions of the bottom d, as in Fig. 3. This arrangement forms an open box with upstanding portion b^* and a^* as shown in Figures 3 and 4, a cord g in the form of a loop being inserted through holes 5 in the upper end a' of the back a and in the inner end e' of the front e of the box, completing said box or carton.

The bottom d of the box or carton is further creased along line 6, 6 and also with diagonal creases 1, 7 as shown in Fig. 1.

To distend or open the wallet from its collapsed condition it is only necessary to insert the fingers of one hand behind the inner ends b and press the latter outwards so as to act as a stretcher or brace to the creased or collapsed ends f.

On the box or carton being filled, the upper parts b^* of the inner ends b are bent inwards and downwards on the creases 2, 8 forming a further brace to the whole structure, and the upper part a^* of the back part a drawn down on to said parts b^* by a pull on the cord g, causing the extreme ends a' and e' to meet together and form a truncated box or carton as shown in end view in Figure 5, the parts a', e' bending on their creases 9, 9; 4, 4, or when filled the box or carton is simply lifted by its cord g, the upper parts b^* of the inner end pieces b and the upper part a^* of the back part a automatically closing down the one on the other, the reversing of cord loop into and through the flared slits at each end of mouth strips effecting a perfect lock to the mouth of the wallet.

Although the above locking means is to be preferred yet other convenient and appropriate locking means may be employed.

To collapse the box or carton, when the same is empty, all that is necessary is to press in the ends of said box or carton, as in Figure 6, the inner end pieces b folding in on their creases 1, 2, flat against the back part a, whilst the bottom folds by its ends c inwardly on crease lines 1, 7; 3, 7; 6, 7; and outwardly on its crease lines 7, 7; 3, 3; 1, 1; as shown in Fig. 7.

Having now particularly described and

ascertained the nature of my said invention in what manner the same is to be performed I declare that what I claim is:—

1. A collapsible container of the class described comprising a body scored to provide front and back walls and a connecting bottom wall adapted to fold in the direction of its length, complemental side wall forming members respectively carried by the front and back walls and adapted to be secured together for a part of their area corresponding to the line of fold of the bottom wall, bottom flaps carried by the bottom wall and adapted to be bent upwardly and be partially secured between the complemental side wall forming members, upstanding cover flaps carried by the rear side wall forming members. and a cover also carried by the back wall.

2. A collapsible container of the class described comprising a body scored to provide front and back walls and a connecting bottom wall adapted to fold in the direction of its length, complemental side wall forming members respectively carried by the front and back walls and adapted to be secured together for a part of their area corresponding to the line of fold of the bottom wall, bottom flaps carried by the bottom wall and adapted to be bent upwardly and be partially secured between the complemental side wall forming members, upstanding cover flaps carried by the rear side wall forming members and a cover also carried by the back wall and adapted to cooperate with a cover holding flap carried by the edge of the front wall.

In testimony whereof I hereunto affix my signature.

C. RIVINGTON SHILL.