

1,058,929.

Patented Apr 15 1913

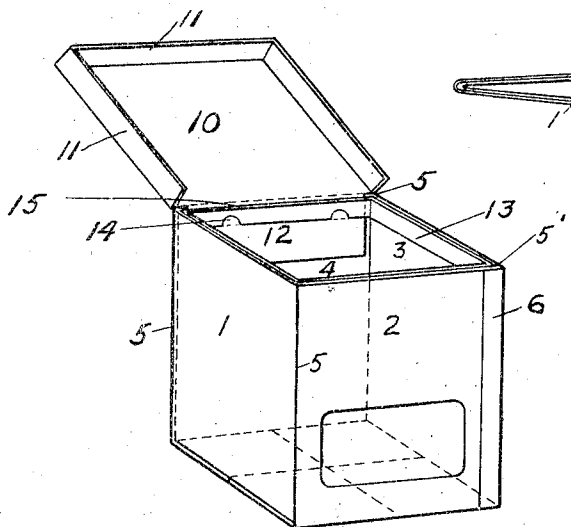


Fig. 1

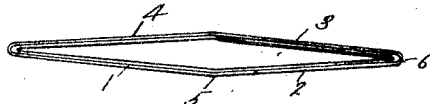


Fig. 2

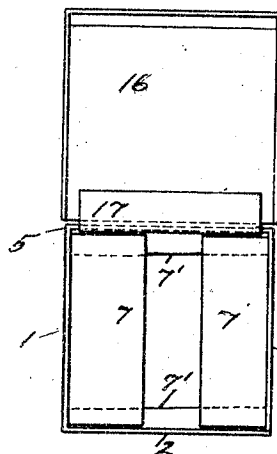


Fig. 5

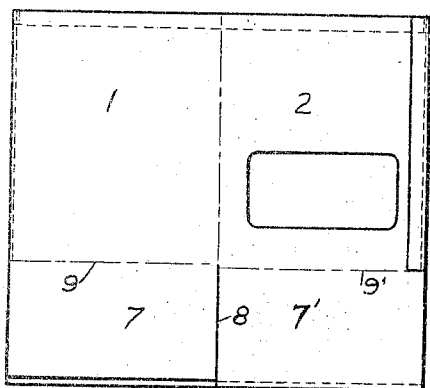


Fig. 3

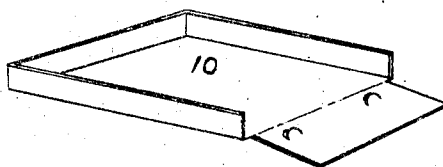


Fig. 4

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PAPER CADDY.

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Specification of Letters Patent.

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Application filed August 30, 1912. Serial No. 717,859.

To all whom it may concern:

Be it known that I, JOSEPH W. WEISS, a citizen of the United States of America, residing at city of Baltimore, State of Maryland, have invented certain new and useful Improvements in Paper Caddies, of which the following is a specification.

This invention relates to a collapsible or folding box or cake caddy.

Cartons made of paper board or stiff, corrugated paper, or similar materials, and adapted to fold so that they may be packed economically in a small space, are a recognized commercial article. Such cartons most commonly have four side walls connected at the corners by means of any suitable flexible joint. The sides, as thus connected, can be collapsed and folded flat in the plane of either diagonal. The folding carton most familiar to the trade, is made of a single piece of paper, creased at the corners, and the bottom is formed of four flaps of the same piece, one flap being connected to the bottom edge of each side and creased to fold inward so that the four flaps overlap and form a double bottom. The top or cover may be formed of four similar flaps connected to the top edges of the sides to fold inward. The bottom, when thus folded, locks the sides in position and prevents collapsing of the box. The sides also support each other so that the carton is exceedingly rigid when set up. Such cartons are convenient for shipping articles of various kinds; but it is not until recently that corrugated paper boxes have been substituted to a large extent for tin caddies used for packing and storing crackers for the retail trade. The collapsible cartons now manufactured are not suited for this purpose for the reason that the top or cover cannot be made tight unless sealed. As cracker caddies must be frequently opened and closed tightly to exclude moisture and dust, it is necessary to provide a convenient lid.

The usual hinged lid, flanged on three sides, is convenient and sufficiently tight, but heretofore collapsible containers have not been so constructed. The present paper caddies are not collapsible and are provided with a hinged and flanged lid. As thus constructed, they are shipped to the cracker factories in wooden crates. The crates are expensive, costing rather more than the boxes, and this expense is largely wasted as the caddies, when filled, are shipped in

varying quantities and few of the crates can be utilized in reshipment. Also a high freight rate is charged on the boxes thus packed.

To provide a folding or collapsible cracker caddy having a hinged lid with flanges adapted to close tightly and convenient to open for the removal of the contents of the box in retailing the commodity contained in the box, is the object of my invention.

In the accompanying drawing I have shown a collapsible caddy constructed in accordance with the preferred form of my invention.

Figure 1 is a perspective of the box assembled ready to receive the commodity which it is to hold. Fig. 2 is a top plan of the box partially collapsed. Fig. 3 is an elevation of the box collapsed ready for packing. Fig. 4 is a perspective of the cover removed and ready to be packed for shipment. Fig. 5 is a plan of a modified form, the lid being thrown back.

The box, as shown, consists of four walls or sides 1, 2, 3 and 4, connected by a suitable flexible joint at the corners 5. In the box shown the paper is merely creased or folded at the corners, the side walls being formed of a single piece, the end edges of which are joined at the corner 5' by means of a strip of paper or cloth 6. Secured to the bottom edge of each side, by means of any suitable, flexible joint, is a bottom flap 7. In the box shown the flaps are formed of the same piece of paper which forms the sides, but the bottom flaps are separated from each other by slots 8 in alinement with the corners, and the paper is creased at the bottom edge of the side walls so that the flaps are in effect hinged to fold inward and form the bottom of the box. Preferably the crease 9 at the top edge of the flap 7 is spaced a short distance, substantially the thickness of the material, above the crease 9' at the top edge of the flaps 7'. With the flaps creased as described in assembling or setting up the box, the upper two marked 7 are first folded inward, and the two lower flaps 7'; which are opposite each other, are then folded against the flaps 7, and if it is found desirable, they are sealed or pasted to form a flat, rigid bottom for the box.

The cover indicated by reference character 10 is an important feature of my invention. While it is flanged on three sides and hinged

so that it operates in a manner similar to that of the cover of the usual tin caddy or non-collapsible paper caddy, it is made of a separate piece of material from the box and is packed separately for shipment, being quickly and easily attached for setting up the box and detached in knocking down the box for shipment.

The cover, as shown in its preferred form, is flanged at three edges at 11 and on the fourth edge is provided with a hinge flap 12. At its top edge the box is reinforced by means of a band or frame 13 secured to the inner faces of the walls. This band or frame, as shown, is four-sided and secured to each of the walls. At the rear a portion of the band is free, leaving a slot or pocket 15 between the rear wall and the band. In this slot or pocket the hinge flap is inserted in assembling the box, and to prevent withdrawal of the flap, it is provided with tongues or tabs 14 which overlap the lower edge of the band.

It will be apparent that when assembled, as shown in Fig. 1, the box forms an efficient cracker caddy having a hinged lid with edge flanges which close tightly after the manner of the usual cracker caddy. At the same time, the box or caddy may be conveniently collapsed and packed for shipment, the flanged cover being removed by withdrawing the flap 12 from the pocket 15, the tabs being folded flat for this purpose. Thus a large portion of the cost for crating of the usual paper cracker caddies, as well as a very large percentage of the expense for freight, is saved, and at the same time a caddy equal in efficiency to the present non-collapsible caddy is provided.

In Fig. 5 I have shown a collapsible caddy having a flanged cover 16 with a hinge connection 17 to one wall of the box. This cover is not removable but is packed with the collapsible caddy, preferably being folded back against the side to which it is attached. In packing the collapsible caddies, they are placed with the covers side by side, so that the flanges of the neighboring covers tend to support each other and prevent crushing.

I have thus described a single embodiment of my invention in order that its nature and operation may be clearly understood. However, the specific terms herein are used in their descriptive rather than in their limit-

ing sense and the scope of the invention is defined in the claims.

I claim—

1. In combination, a collapsible paper box, a separate detachable lid therefor having a flap hinged thereto at its rear edge, the box having a pocket near its top edge to receive the flap and from which the flap may be removed at will, the flap serving as a hinge for the cover.

2. In combination, a collapsible paper box, a separate detachable lid therefor having a hinge flap at one edge, the box having a pocket near its top edge to receive the flap, the flap serving as a hinge for the cover and flexible tongues on the hinge flap to engage the pocket and prevent withdrawal of the flap therefrom.

3. In combination, a collapsible box having a band secured to the sides adjacent to the top edge and extending along the sides, a portion of the band being free of the sides so as to form a pocket, a separate cover for the box having a hinge flap at its rear edge to fit the pocket the flap serving as a hinge for the cover and being free to be removed from and inserted in the pocket at will.

4. In combination, a collapsible box having a band secured to the sides adjacent to the top edge and extending along the sides, a portion of the band being free of the sides so as to form a pocket, a separate cover for the box having a hinge flap to fit the pocket, the flap serving as a hinge for the cover and means in the form of tongues or tabs to prevent withdrawal of the flap from the pocket.

5. In combination, a collapsible box, a frame composed of a narrow band similar in plan to the horizontal section of the box and adapted to fit in the box near the top, a portion of one side of the frame being free to form a pocket, between the band and the side of the box, a separate lid for the box having a hinge flap adapted to be inserted in the pocket between the band and the top wall, the flap having tabs to engage the band and prevent its withdrawal the flap serving as a hinge for the cover.

Signed by me at Baltimore this 23d day of August, 1912.

JOSEPH W. WEISS.

Witnesses:

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EDWARD L. BASIL.