April 7, 1936. M. M. EINSON 2,036,864

SHIPPING AND DISPENSING RECEPTACLE

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Fig. 1

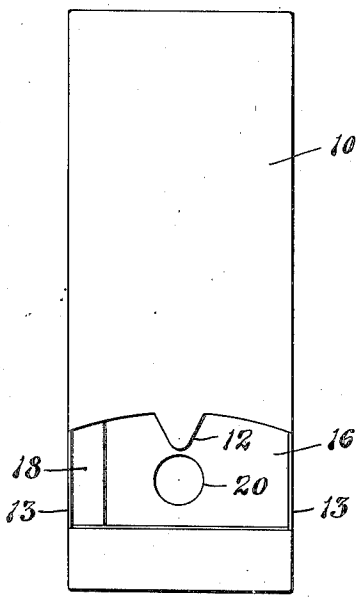


Fig. 2

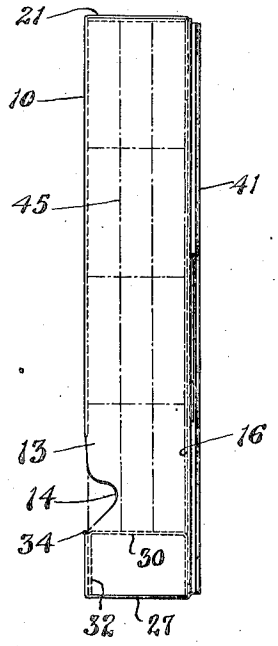


Fig. 3

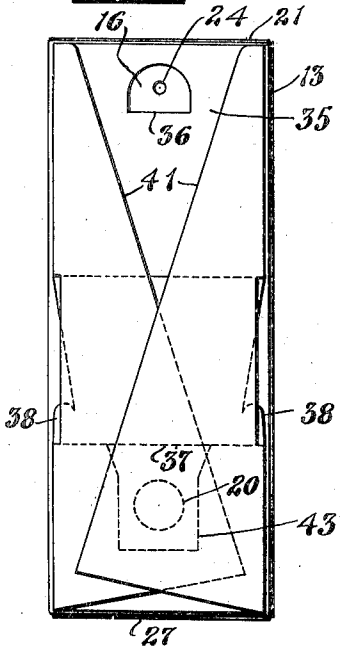


Fig. 4

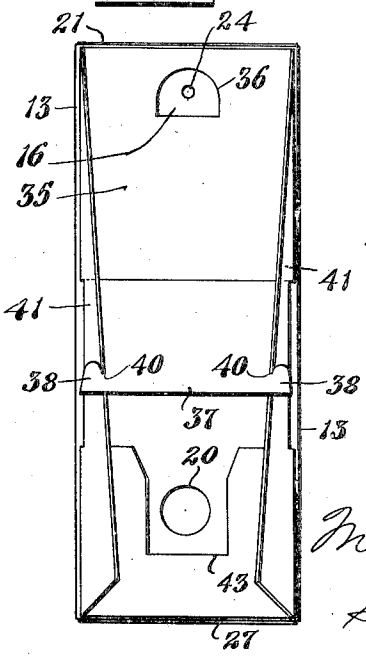
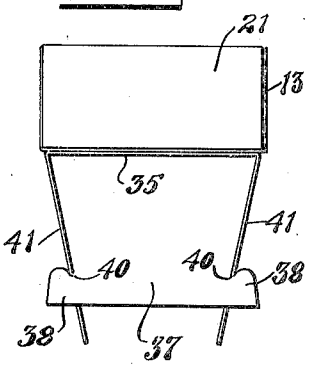


Fig. 5



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SHIPPING AND DISPENSING RECEPTACLE

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Fig. 6

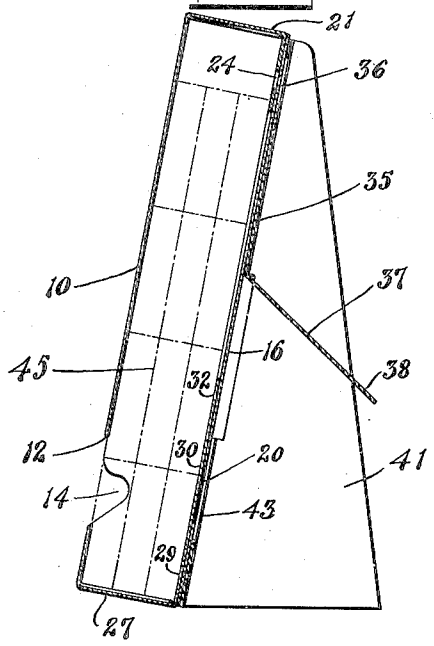


Fig. 7

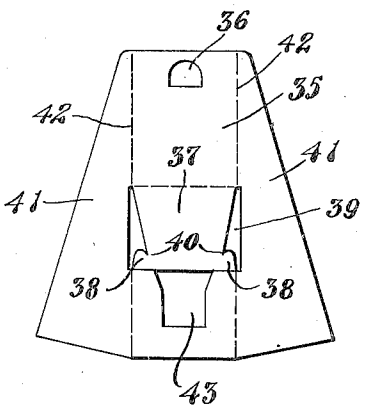
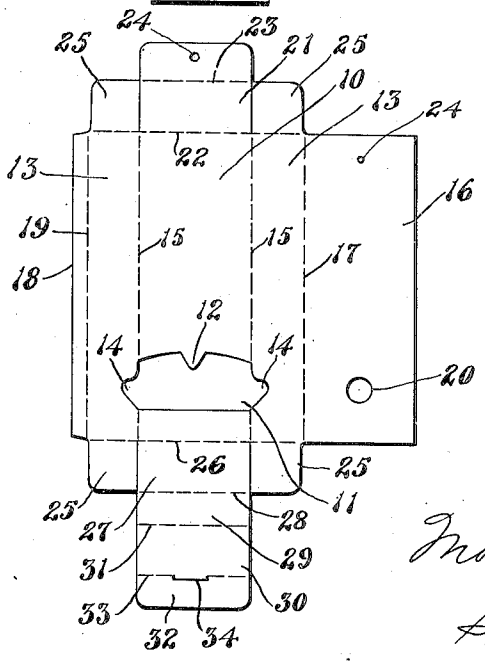


Fig. 8



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2,036,864

SHIPPING AND DISPENSING RECEPTACLE

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Application January 9, 1930, Serial No. 419,574

6 Claims. (Cl. 206—44)

It is among the objects of the present invention to provide a novel and improved combined shipping and dispensing receptacle.

A further object of the present invention is to provide an improved foldable receptacle adapted for the dispensing of articles which includes in combination with a front apertured for the discharge of merchandise therethrough, an apertured back, the apertures of said front and back cooperating to provide for the insertion of a finger through the back to cause discharge of merchandise through the front.

Another object of the present invention is to provide in a receptacle a closure portion adapted to be folded to form a merchandise platform within the receptacle even with a front discharge aperture of the receptacle.

Another object of the invention is to provide a receptacle including a novel foldable easel associated therewith.

Other objects of the present invention include novel and improved structural features and improved configurations of the various parts whereby the whole forms a simple readily foldable and readily convertible shipping or dispensing receptacle.

Other objects and features of the present invention will be apparent from a consideration of the following specification taken in connection with the accompanying drawings, in which—

Fig. 1 is a front elevation of the device folded as a shipping receptacle;

Fig. 2 is a side elevation of the device folded as in Fig. 1;

Fig. 3 is a rear view of the device showing the easel folded for shipment of the receptacle;

Fig. 4 is a view similar to Fig. 3 showing the easel folded to support the receptacle;

Fig. 5 is a top plan view of the device with the easel in supporting position;

Fig. 6 is a vertical sectional view of the device in dispensing position;

Fig. 7 is a view of the easel blank; and

Fig. 8 is a view of the receptacle blank.

Referring more particularly to Fig. 8 of the drawings, it will be seen that the receptacle body includes a front section 10 forming the center of the blank. Near the lower edge of the front an aperture 11 is provided which constitutes the discharge opening for merchandise. The aperture 11 extends the entire width of the front, its upper edge including a central downward projection 12 constituting a stop finger for the delivery of merchandise through the aperture. The ends of the aperture extend into sides 13 of the receptacle and have central rounded extensions 14 forming finger recesses in the sides of the receptacle.

The sides of the receptacle extend parallel to the front and are adapted to be folded upon the longitudinal fold lines 15. One of the sides 13 includes the back 16 which is adapted to be folded at right angles thereto along the fold line 17. The opposite side includes a narrow foldable pasting strip 18 which is foldable along the line 19 to be parallel with the edge of the back to be pasted thereto to secure the receptacle in proper folded position.

For cooperating with the aperture 11 of the front and to be arranged in alignment therewith, the back 16 is provided with a round aperture 20, the arrangement being such that upon insertion of a finger or instrument therethrough the merchandise within the receptacle and between the apertures will be pushed through the front aperture 11 so that it may be grasped and withdrawn from the receptacle.

The receptacle is completed by the provision of the upper closure tongue 21 which is foldably associated with the front along the fold line 22 and which has an intermediate fold line 23 providing for the reception of the end of the tongue against the back 16. The back and tongue are provided with registering apertures 24 which may cooperate to receive a pin therethrough for supporting the receptacle upon a wall or the like. Both extremities of the sides 13 include foldable closure tongues 25 of conventional configuration and use. The lower end of the receptacle is closed by an elongated closure member which is foldably associated with the front along the line 26, the next adjacent section 27 forming the bottom of the receptacle. Associated with the section 27, by the fold line 28 an intermediate section 29 is provided which at all times extends within the receptacle to be parallel with the back 16. In connection with the section 29, a platform forming section 30, foldable along the line 31 is provided and a terminal end 32 foldable along the line 33 completes the lower closure structure. The fold line 33 includes an angular cut 34 which when the section 30 is folded parallel with the section 27, forms a narrow tongue receivable over the edge of the lower side of the aperture 11 (Fig. 2), the purpose of which is more fully described hereinafter.

For supporting the receptacle in substantially vertical tilted displaying and dispensing position the easel shown in Figs. 3, 4, 5, 6 and 7 is provided. The easel includes a central body portion

35 which is adapted to be secured by paste or the like to the back 16. The upper end is apertured as at 36 for registration with the apertures 24 and a large central aperture 39 is provided which includes a tongue 37, the sides of which converge toward the lower edge and terminate in ears 38 projecting from the sides. The upper sides of the ears 38 are convex to provide recesses 40 adjacent the sides, which recesses are adapted to engage and retain the edges of the supporting sides 41 as illustrated in Fig. 5. As seen in Fig. 7, the body 35 of the easel is provided with the sides 41 foldable along the lines 42 to be retained at a supporting angle by the retention of their edges in the recesses 40. A continuation 43 of the aperture 36 is provided for registration with the aperture 20 of the back to permit access thereto.

The device as adopted for use in shipping is shown in Figs. 1, 2 and 3, in which case the sides 41 of the easel are folded over the central tongue 37 which is received in the aperture 39. The portions 29, 30 and 32 of the lower closure are bent on their fold lines to form a platform to support the articles of merchandise indicated at 45, thereby preventing them from moving during shipment.

When the device is to be supported in attractively slanting vertical display position the easel is folded as shown in Figs. 4, 5 and 6, the sides 41 being retained by the overlying engagement of the ears 38 and being received in the groove juncture 40.

For dispensing the articles 45, the portion 30 of the lower closure is positioned parallel to the back portion 10 allowing the articles to rest upon the bottom portion 27.

To place the portions 30 and 32 into this position, the lowermost row of articles must be ejected outward through the aperture 11. This is done by first grasping the front one with the thumb and index finger where it is exposed at the recesses 14, and pulling it forward. This operation is performed with the receptacle held in an inverted position to prevent the remaining articles from sliding out of position. After the first article is drawn out, the second and third articles are moved forward toward the opening 11 by inserting a finger into the aperture 20 for this purpose. When the articles have been removed, the portions 30 and 32 are raised from their platform forming position by pulling upward on the narrow tongue 34 which extends slightly in front of the front section 10 for this purpose. Having forced the portions 30 and 32 backward against the back portion 16 the articles which were removed are replaced and the receptacle turned upright. This causes the articles to take the position illustrated in Fig. 6, from which position the first or front article can be more readily withdrawn. The article directly above the first one will slide down into position when it is drawn out. The second and third lines of articles are moved forward by exerting a slight pressure against the back of the lower article through the aperture 20. When this is done, the articles above will not remain in their original alignment, but this will not prevent their coming down into position when the front article is removed.

In accordance with the provisions of the patent statutes, I have described my invention but I desire it understood that it is not confined to the particular form shown and described, the same being merely illustrative, and that the invention can be carried out in other ways without departing from the spirit of my invention, and therefore, I claim broadly the right to employ all equivalent instrumentalities coming within the scope of the appended claims, and by means of which, objects of my invention are attained and new results accomplished; as it is obvious that the particular embodiments herein shown and described are only some of many that can be employed to attain these objects and accomplish these results.

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

1. The combination with a collapsible shipping and display carton, having an apertured front, adapted to permit the discharge of articles therefrom when in display position; of a folded member, forming an integral part of the container and being manually unfoldable while the carton contains articles, said member being used in its folded state to reduce the capacity of the container to the minimum required during shipment and being unfolded and flattened out against the rear wall, thereby increasing the available space when the container is in display position.

2. The combination with a collapsible shipping and display carton, having an apertured front, adapted to permit the discharge of articles therefrom when in display position, and an aperture in alignment therewith, adapted for inserting a finger, in the rear; of a folded member, forming an integral part of the container and being manually unfoldable while the carton contains articles, said member being used in its folded state to reduce the capacity of the container to the minimum required during shipment and being unfolded, so as to be out of the way and increase the available space when the container is in display position, forming in this position a tilting plate by which the articles may be tilted through the rear aperture into edgewise discharging position.

3. A collapsible shipping and display carton, having a manually removable false bottom, integral with the carton and adapted to reduce the available capacity of the carton during shipment, when installed in position, and means to fold it out of position, increasing the available capacity for the display of articles.

4. A collapsible boxlike shipping and display carton, having front, side and back panels and a foldable bottom member, extending from the bottom edge of said front panel, forming bottom and false bottom sections respectively, said false bottom being adapted to confine the contents to the minimum available space and lock them in position during shipment, and means, integrally attached to said foldable bottom member, to manually unfold it and flatten it out against the back panel for the display and dispensing of the articles.

5. A collapsible boxlike shipping and display carton, having front, side and back panels and a foldable bottom member, extending from the bottom edge of said front panel, forming bottom and false bottom sections respectively, said false bottom being adapted to confine the contents to the minimum available space and lock them in position during shipment, and means, integrally attached to said foldable bottom member, consisting of a tongue, cut out from the bottom member and projecting beyond the section which forms the false bottom, to manually unfold it and flatten it out against the back panel for the display and dispensing of the articles.

6. The combination with a collapsible shipping and display carton, having an apertured front, adapted to permit the top-edgewise discharge of articles therefrom when in display position; of a folded member, forming an integral part of the container and being manually unfoldable while the carton contains articles, said member being temporarily used in its folded state as a false bottom, to reduce the capacity of the container to the minimum required during shipment, and a flexible lip, integral with the container and extending downwardly from the top edge of the front aperture to cooperate with said false bottom in preventing an accidental discharge of the articles during shipment.

MORRIS M. EINSON.