Feb. 5, 1929. 1,700,824

R. L. HARDEN

DISPLAY BOX

Filed March 16, 1923

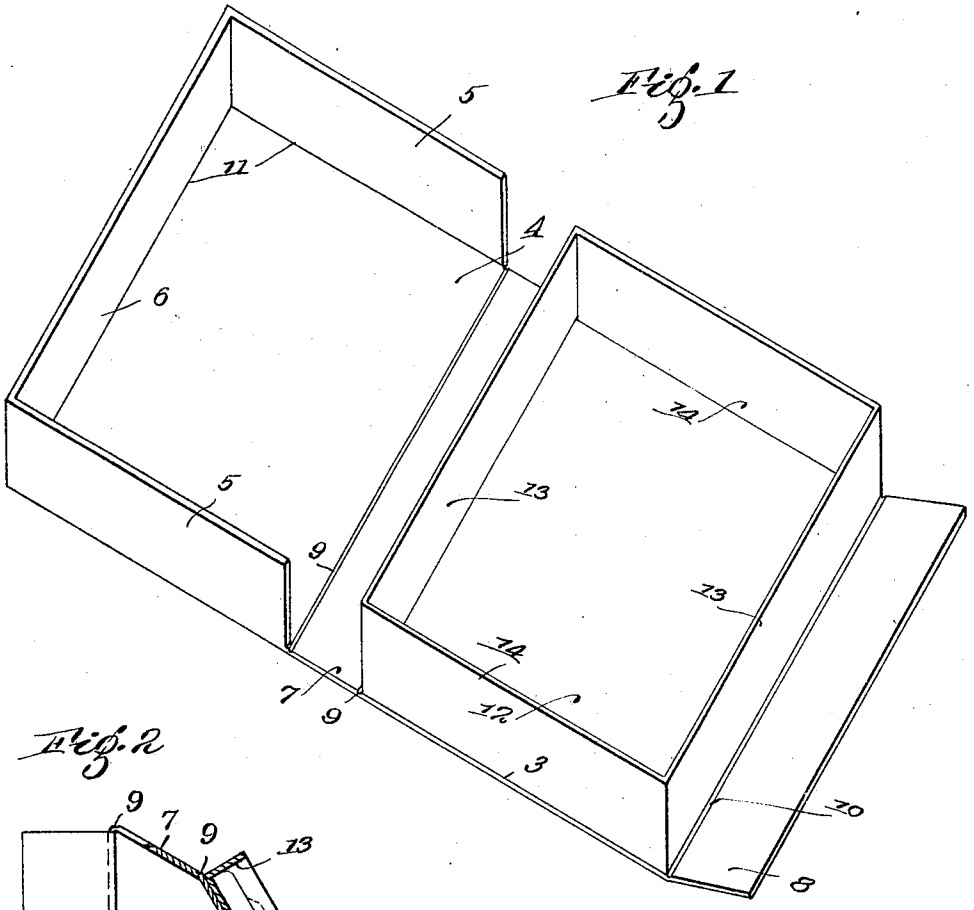
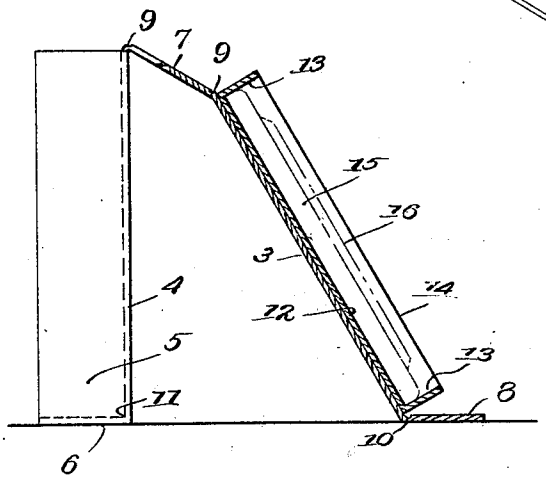


Fig. 1

Fig. 2



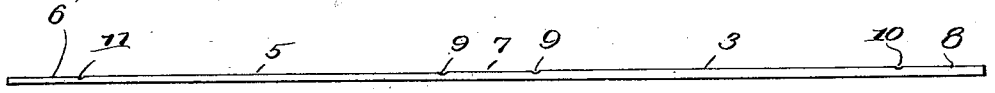


Fig. 3

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UNITED STATES PATENT OFFICE.

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DISPLAY BOX.

Application filed March 16, 1928. Serial No. 262,129.

This invention relates to boxes adapted to be used as containers for jewelry, pen and pencil sets or similar articles, and also to serve as a display stand for suitably exhibiting the contents of the container when the box is disposed in or upon a show case. The principal object of the invention is to provide an improved collapsible box so constructed that when opened for display purposes the base portions of the stand will lie flatwise upon a supporting surface, thus furnishing a firm and substantially rigid structure which will be unlikely to collapse or to slide upon the supporting surface.

The box may be made of any appropriate material, such as cardboard or other suitably stiff sheet material, and may be covered with plain or decorative paper, if desired; it may be formed in any desired size or shape appropriate for the particular articles to be contained therein and displayed thereby; and it may have an integral or attached tray adapted to hold a pad upon which the articles are mounted.

A recommended embodiment of the invention is shown for the purpose of illustration in the accompanying drawings, in which

Fig. 1 is a perspective view of the improved box in opened position for the insertion of the article to be displayed;

Fig. 2 is a side view, partly in elevation and partly in section, showing the box erected for display purposes and containing a watch mounted therein; and

Fig. 3 is a longitudinal section of a blank used in forming the greater part of the box.

The box comprises essentially a bottom section 3, a top or cover section 4 provided with side walls 5 and a forward end wall 6, a back strip 7 hinged to the rear edges of the top and bottom sections along its upper and lower edges respectively, and a front flap 8 hinged to the forward edge of the bottom 3. All of said portions are preferably formed of a single flat strip of sheet material, preferably cardboard, as shown in Fig. 3, the fold lines 9 of the hinged back 7 and the hinge line 10 of the front 8 being grooved by a blunt instrument or otherwise weakened; and the fold lines of the cover walls being creased or scored, as at 11, so that said walls may be erected as shown in Fig. 1 and joined at the corners by individual adhesive strips of by a proper covering applied over the entire surfaces of said parts according to common practice. The bottom, top, back and front sections of the box may, however, be separate and they may be hingedly connected together by means of the paper covering or other pivotal connecting means.

The article to be contained and displayed may be suitably secured directly upon the bottom or base section 3 if desired, but, as illustrated in Figs. 1 and 2, a tray having a bottom 12 adhesively applied to the bottom 3 and having ends 13 and sides 14 suitably united at their corners by a proper covering, is preferably provided. The tray is adapted frictionally to hold the customary pad 15 upon which may be mounted a watch 16 or other article.

In any event, whether the tray is omitted or whether it is formed as an integral part of the box or as an attached member, the box may be erected to display the contained article by folding the top and bottom sections outwardly of the hinged back 7, so that the front flap 8 will lie flatwise on a supporting surface when the opened box is placed to stand upon the forward edges of the top and bottom, as shown in Fig. 2. In such position the forward end wall 6 of the cover section may also rest flatwise as indicated, thus affording a firm and stable base for the display stand and thereby preventing the collapse of the box and substantially eliminating its tendency to tip or slide upon accidental contacts.

When the box is closed in the obvious manner, the front flap 8 folds within the front wall 6 of the cover; the hinged strip 7 forms the back of the container; and the top walls 8 enclose the sides of the box. A compact and completely protective container is thus provided, irrespective of the presence of the interior tray, although the provision of the tray lends rigidity to the structure and enhances the attractiveness of the box when it is opened for display.

A display box constructed as above described is economical to manufacture, either by hand or by appropriate machinery, is durable in use and lends itself to attractive ornamentation without sacrifice of operative efficiency. It will be understood however that details of structure may be varied for particular purposes without departing from the spirit of this invention, the prin-

cipal feature of which is the provision of the front flap in combination with a display box, as defined in the following claims.

I claim:

1. A display box comprising a bottom, a top, a back hinged to the rear edges of the top and bottom along its upper and lower edges respectively, and a front flap hinged to the forward edges of the bottom to fold within the top when the box is closed and to lie flatwise on a supporting surface when the box is opened to stand on the forward edges of its top and bottom.

2. A display box comprising a bottom, a cover having a top portion, a pair of side walls and a forward end wall, a back strip hinged to the rear edges of the top portion and the bottom along its upper and lower edges respectively, and a front flap hinged to the forward edge of the bottom to fold within the forward end wall of the cover when the box is closed, said front flap and said forward end wall being adapted to lie flatwise in spaced parallel relationship upon a supporting surface when the box is opened to display an article mounted on its bottom.

3. A display box comprising a bottom, a cover having a top portion, a pair of side walls and a forward end wall, a back strip hinged to the rear edges of the top portion and the bottom along its upper and lower edges respectively, and a front flap hinged to the forward edge of the bottom to fold within the forward end wall of the cover when the box is closed, said front flap and said forward end wall being adapted to lie flatwise in spaced parallel relationship upon a supporting surface when the box is opened to display an article mounted on its bottom, said bottom, top, back strip and front flap being formed of a single strip of sheet material and the fold lines of the hinged back and of the front flap being grooved to reduce the thickness of the material.

4. A display box comprising a bottom, a top having a forward end wall, a back strip hinged to the rear edges of the top and bottom along its upper and lower edges respectively, a front flap hinged to the forward edge of the bottom, and a tray on the bottom having a pair of side walls, the front flap being adapted to fold within the forward end wall of the top when the box is closed, and said front flap and said forward end wall being adapted to lie flatwise in spaced parallel relationship upon a supporting surface when the box is opened to display an article mounted in the tray.

5. A display box comprising a bottom, a cover having a top portion, a pair of side walls and a forward end wall, a back strip hinged to the rear edges of the top portion and the bottom along its upper and lower edges respectively, a front flap hinged to the forward edge of the bottom, and a tray secured upon the bottom and having a pair of side walls and a pair of end walls, the front flap being adapted to fold against the forward end wall of the tray and to lie between said wall and the forward end wall of the cover when the box is closed, said front flap and said cover wall being adapted to lie flatwise in spaced parallel relationship upon a supporting surface when the box is opened to display an article mounted in the tray.

Signed by me at Attleboro Falls, Massachusetts, this 13th day of March, 1928.

RALPH L. HARDEN.