March 22, 1938. H. A. BERGER 2,112,062

FOLDING BOX

Filed June 23, 1936 2 Sheets-Sheet 1

Fig. 1.

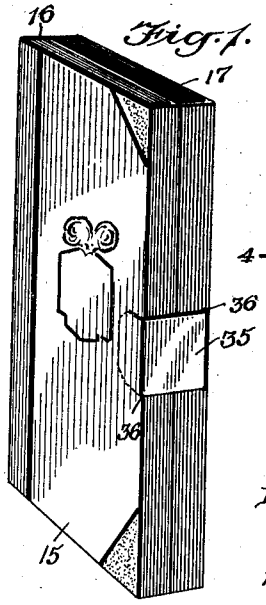



Fig. 2.

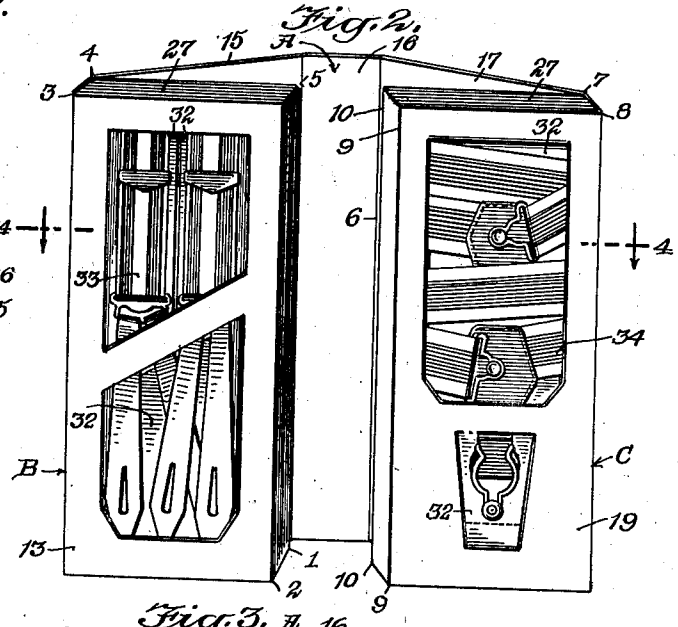



Fig. 3.

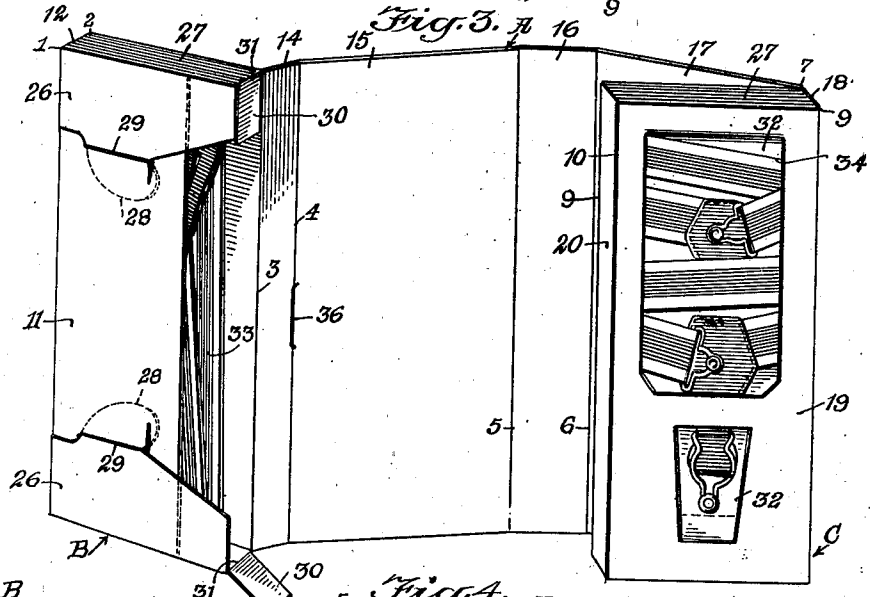
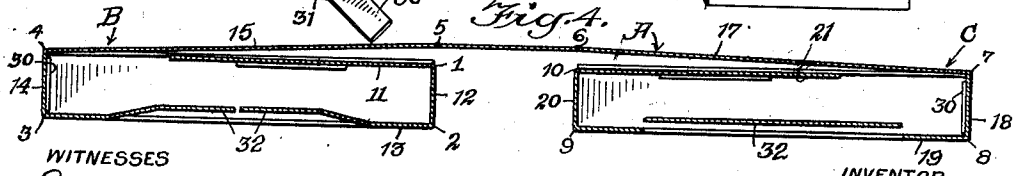



Fig. 4.




WITNESSES

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Filed June 23, 1936 2 Sheets-Sheet 2

Fig. 5.

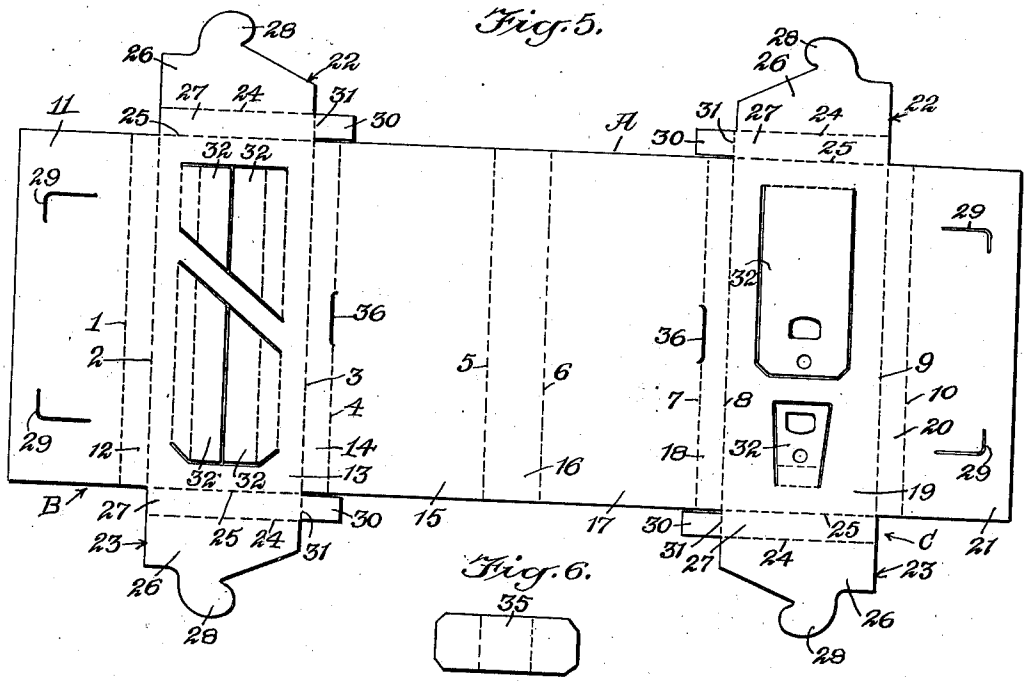
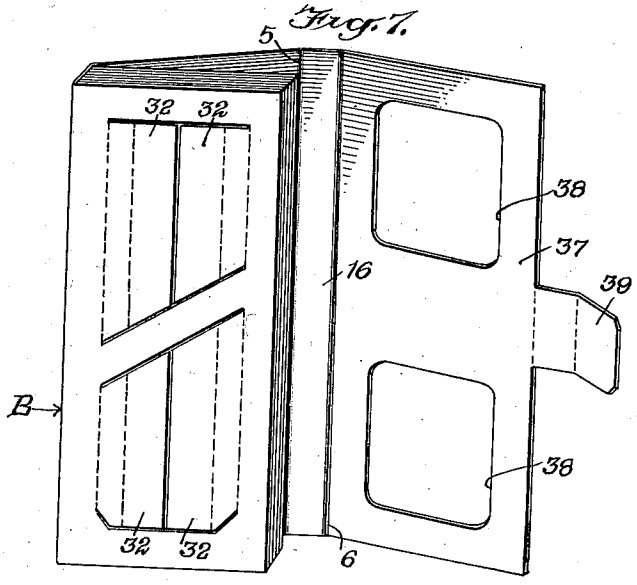



Fig. 6.




Fig. 7.




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# UNITED STATES PATENT OFFICE

2,112,062

## FOLDING BOX

Harry A. Berger, New York, N. Y.

Application June 23, 1936, Serial No. 86,763

2 Claims. (Cl. 229—27)

This invention relates to folding boxes and more specifically to a display container for merchandise, which container embodies a single folded blank of cardboard or other suitable material which when properly folded includes, in the preferred embodiment of the invention, a pair of display compartments or containers which are foldable relative to a covering section so that either the display fronts or backs of the compartment can be exposed and, furthermore, both compartments can be folded together and enclosed by the covering so that the device when thus folded resembles a book.

The invention consists in the form of blank, the manner of folding, the construction and arrangement of the compartments, and means connecting them, all of which will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings—

Figure 1 is a perspective view illustrating my improved box completely folded and closed simulating a book in appearance;

Fig. 2 is a perspective view showing the box open and the compartments slightly spaced from the back covering so as to allow the box to stand in an upright position to display the contents of the compartments;

Fig. 3 is a perspective view showing one of the compartments in the same position as shown in Fig. 2 and the other compartment swung upwardly to expose the back of the compartments and the open edge thereof through which merchandise may be inserted and removed;

Fig. 4 is a somewhat enlarged view in section on the line 4—4 of Fig. 2;

Fig. 5 is a plan view of the blank from which the box is formed;

Fig. 6 is a plan view of the key-piece which holds the box in closed formation;

Fig. 7 is a perspective view illustrating a modification in which only a single compartment is formed by the blank.

A represents a blank from which my improved box is formed and this blank as above stated is preferably of cardboard or other suitable material and of appreciably greater length than width. The blank A is divided by scored fold lines 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10 into eleven sections which are given reference numerals 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21, respectively. Extending from both ends of the sections 13 and 19 are flaps 22 and 23, respectively, and these flaps are divided by scored fold lines 24 and 25 into end sections 26 and intermediate sections 27. The end sections 26 have locking tongues 28 at their extremities which are adapted to fit into and lock in angular slits 29 in the blank end sections 11 and 21. At the inner ends of the sections 27 relatively short tabs 30 are formed which are foldable on score lines 31 where the tabs join the sections 27. The sections 13 and 19 of the blank constitute what may be termed the fronts of the compartments and are provided with suitable slits and fold lines to form cut backs 32 which may, of course, be variously shaped and formed and folded in accordance with the desire of the trade and in accordance with the particular merchandise to be displayed in the compartments. When these sections or cut backs 32 are folded inwardly they provide openings which expose the merchandise, which in the specific form indicated constitute suspenders 33 and garters 34, but it is of course to be understood that the invention is not limited to the specific merchandise in the compartments nor to the specific manner of folding and displaying the same as the invention is broad enough to include the boxing of any merchandise. Certain of the scored fold lines are what are known as cut fold lines where sharp angles are desired and others are pressed fold lines which fold the material without cutting the surface thereof.

Each compartment is formed by folding the blank on the several fold lines so that the sections 13 and 19 constitute the open fronts of the compartments, the sections 12, 14, 18, and 20 form the side edge walls of the compartments, the sections 27 constitute the upper and lower end walls of the compartment, the sections 11 and 21 constitute the backs of the compartments, and the sections 26 fold over the edges of the sections 11 and 21 respectively and have their tongues 28 inserted in the slits 29 to lock the folded compartments in proper shape. The tabs 30 are folded inwardly to constitute short sections of the end wall but, as shown clearly in Fig. 3 of the drawings, these tabs are capable of being moved inwardly and outwardly so as to leave the entire edge of the compartment open for the insertion and removal of the merchandise.

When the box is completely folded and closed, as shown in Fig. 1 of the drawings, it may be held in its closed position by a folded tongue 35 which is projected into slits 36 and securely holds the box in folded formation.

I have described in detail the blank, its formation, its fold lines, its sections, and the manner of folding, which result in an ornamental and

attractive container which includes a pair of compartments which may be given the reference characters B and C foldably connected at one edge along the fold lines **4** and **7** respectively to the intermediate sections **15** and **17** which in turn are integrally connected by the section **16**. These sections **15**, **16**, and **17** constitute a covering or back closure for the compartments and these compartments B and C may be folded with their open faces flat together and in a real sense closed by the covering section, as shown in Fig. 1 of the drawings; or they may be swung to a partially open position and stand upright, as shown in Fig. 2 of the drawings; or they may be folded completely outwardly, as shown at the left of Fig. 3 of the drawings, to expose the open edge of the compartments for the insertion and removal of the merchandise.

In the modification illustrated in Fig. 7 of the drawings, I illustrate a form of my invention in which the box embodies but a single compartment which we will assume is the compartment B of the preferred embodiment although, of course, it may be variously formed. This modified form of box embodies just one-half of the blank shown in Fig. 5 and corresponding parts are given the same reference numerals in the modification as in the preferred form. In addition, however, to one-half of the blank A, a covering flap **37** is provided which extends to what corresponds with the fold line **6** of the preferred embodiment and is adapted to fold over the open front of the compartment. This covering flap **37** has openings **38** therein to expose the merchandise and a locking tongue **39** integral therewith enters a slit at the edge of the compartment, not shown but corresponding to the slits in the preferred embodiment.

While I have illustrated and described what I believe to be preferred embodiments of my invention, it is obvious that various slight changes may be made with regard to the form and arrangement of parts without departing from my invention, and hence I do not limit myself to the precise details set forth but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the claims.

I claim:

1. A folding box composed of a single blank having scored fold lines dividing the same into sections which when folded form a pair of display compartments integrally and hingedly connected to a covering panel which consists of five sections separated by parallel scored lines, the end sections of the panel of the same width and height as the sides of the compartments and constituting side closures therefor, the sections of the panel at opposite sides of the central section being of the same height and width as the backs of the compartments and constituting movable closures therefor, and the central section of the panel of the same height and twice the width of the side of a compartment and constituting a member hingedly connecting the compartment back closure sections.

2. A folding box composed of a single blank having scored fold lines dividing the same into sections which when folded form a pair of display compartments integrally and hingedly connected to a covering panel which consists of five sections separated by parallel scored lines, the end sections of the panel of the same width and height as the sides of the compartments and constituting side closures therefor, the sections of the panel at opposite sides of the central section being of the same height and width as the backs of the compartments and constituting movable closures therefor, and the central section of the panel of the same height and twice the width of the side of a compartment and constituting a member hingedly connecting the compartment back closure sections, said compartments at their fronts having cut-out sections for the support of merchandise and both compartments at their sides open for the admission and the removal of merchandise.

HARRY A. BERGER.