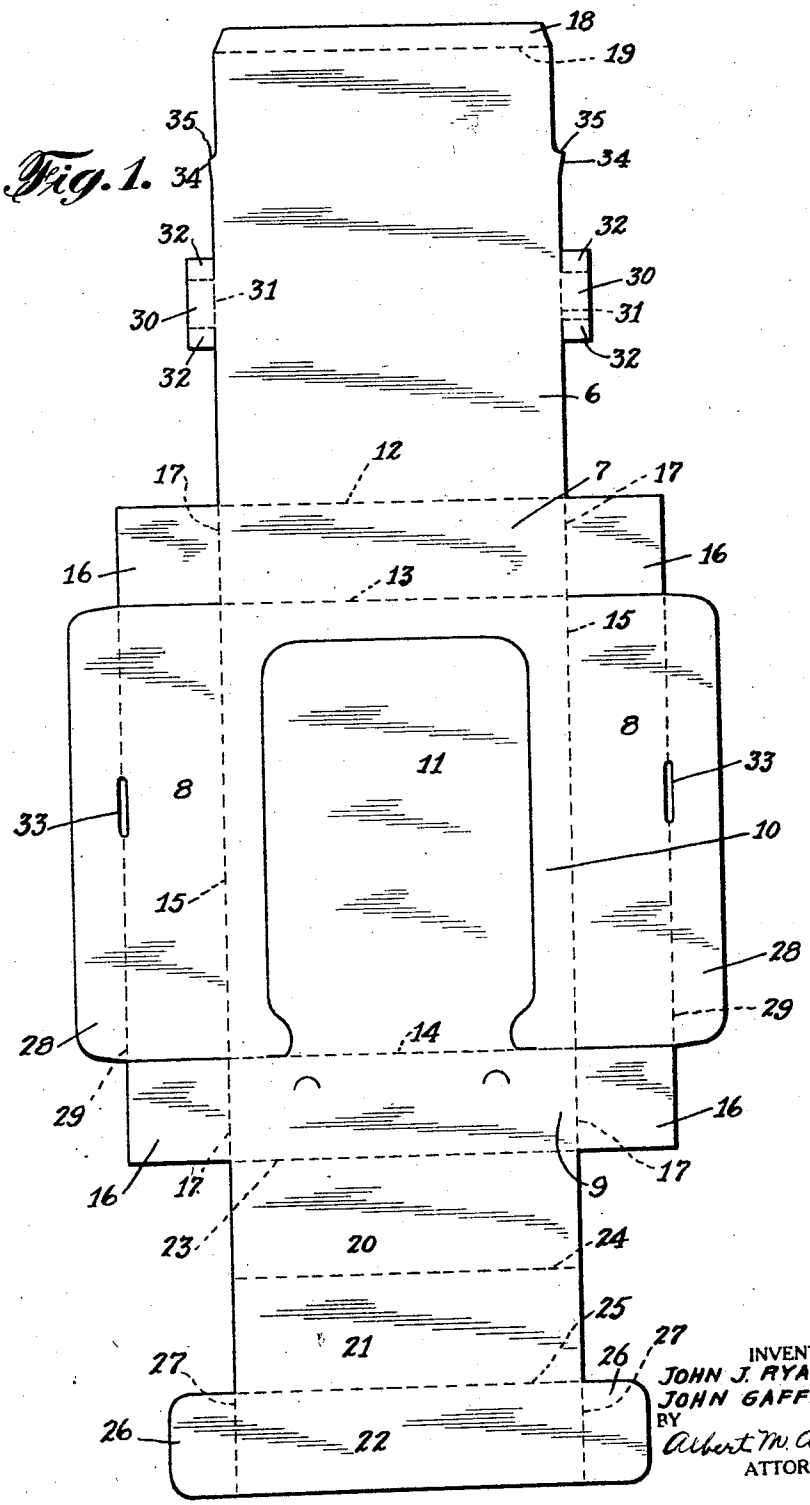
Nov. 22, 1927. 1,650,392

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DISPLAY CONTAINER

Filed March 11, 1925 2 Sheets-Sheet 1

Fig. 1.



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Filed March 11, 1925 2 Sheets-Sheet 2

Fig. 2.

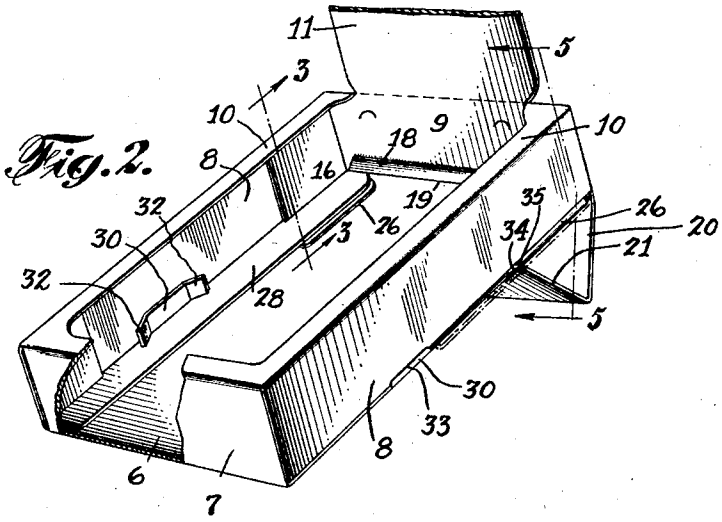


Fig. 3.

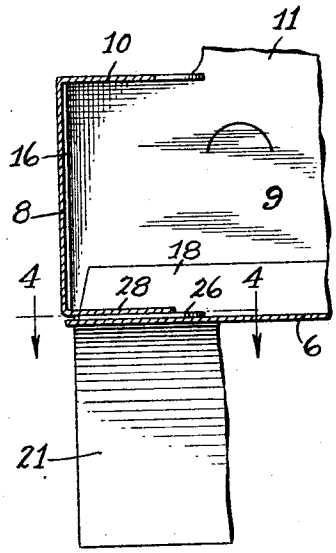


Fig. 4.

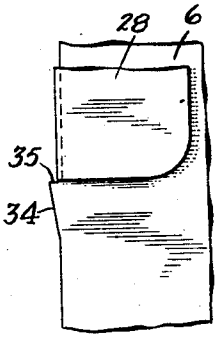
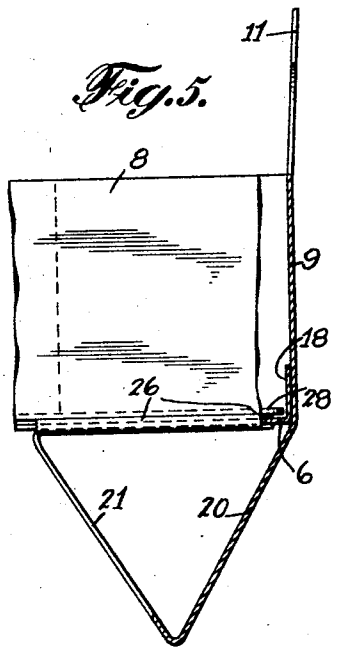


Fig. 5.



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UNITED STATES PATENT OFFICE.

JOHN J. RYAN AND JOHN GAFFNEY, OF NEW HAVEN, CONNECTICUT, ASSIGNORS TO NATIONAL FOLDING BOX COMPANY, OF NEW HAVEN, CONNECTICUT, A CORPORATION OF NEW JERSEY.

DISPLAY CONTAINER.

Application filed March 11, 1925. Serial No. 14,620.

Special objects of this invention are to provide a container adapted for displaying the contents, which will have incorporated with it, a means by which the container may be supported in an upraised position for more effectively exhibiting the goods; and to provide such supporting means in the form of a simple, inexpensive auxiliary which will not interfere with the handling or shipping of the container, which will be out of the way when not in use, which can be easily made operative for use and which will be strong and secure, capable of supporting the heaviest contents.

In the drawings accompanying and forming part of this specification, a practical embodiment of the invention is illustrated, wherein the desired results are attained by certain novel features of construction, combinations and relations of parts as hereinafter defined and claimed.

Figure 1 is a plan view of a form of one piece box blank from which the container may be made.

Figure 2 is a broken perspective view of the container made up from the blank and shown supported in its display position.

Figure 3 is an enlarged broken sectional view as taken on substantially the plane of line 3—3 of Figure 2 and illustrating particularly the sliding connection of the supporting easel with the bottom of the box.

Figure 4 is a fragmentary sectional view as on line 4—4 of Figure 3, illustrating one of the locking notches for securing the easel in extended relation.

Figure 5 is a broken sectional view of the easel structure as on the plane of line 5—5 of Figure 2.

Important novel features of the box illustrated are that it is made in the form of a folding carton and from a single or one piece blank.

This blank, as shown in Figure 1, consists of a bottom portion 6, a lower end wall 7, side walls 8, an upper end wall 9 and a top 10 having a cover flap 11 which can be swung open to expose the contained articles.

These parts are folded to box form by relatively bending the bottom, end and top walls on the lines 12, 13, 14, the side walls on lines 15 and turning in the end or corner flaps 16 on the lines 17, the parts then being suitably secured in such relation as by gluing or the like, including the fastening of a flap extension 18 on the end of the bottom portion to the upper end wall 9, said flap being turned up on a transverse line 19.

The easel or display support is made up in the illustration of three panels or flap extensions 20, 21 and 22, hingedly connected with the upper end wall 9 and to each other upon the lines 23, 24 and 25. The last panel member 22 constituting the movable or free end of the easel structure is slidingly connected to the bottom of the box by means of end tabs 26 folded inward on the lines 27 and entered between the upper surface of the box bottom and shielding strips 28 on the longitudinal edges of the side portions 8 and folded inward into overstanding relation on lines 29.

In the particular style of box illustrated, the slide tabs 26 project inwardly beyond the edges of the overstanding guards or shields 28 and the latter therefore are unattached to the bottom for a distance equal to the total movement of the slide tabs. To secure the parts in this relation, fastening tabs 30 are shown provided on the side edges of the bottom, foldable on the lines 31 and having hinged wing extensions 32 which project after these tabs are inserted through the slots 33 at the junctions of the side and guard walls 8, 28 as indicated in Figure 2, to key the parts interlocked in this relation.

To facilitate proper folding, the blank may be creased or scored along the lines described. When the box is made up, the easel extension is folded on the line 23 where it is attached to the end wall so that it lies flat against the bottom of the box, as indicated in Figure 2, and the lugs 26 are tucked in between the bottom and the guard strips 28 at the lower edges of the box sides. These lugs then serve to hold this extension flat against the bottom of the box where it is out of the way, takes up no appreciable room and acts as a reinforcement to the box bottom. When the container is opened, and the contents are to be displayed, the slidably connected end of the easel extension is

shifted upwardly or toward the adjacent end of the box, this motion being permitted by the "breaking" of the extension across the line 24, causing the same to assume the V-shape indicated in Figures 2 and 5, where the two panels 20, 21 of the extension form the sides of a triangle, the base of which is connected with the box.

The truss-like structure thus provided is amply capable of supporting the contents of the box and the bar 22 extending across the bottom of the box within the triangle acts as a transverse brace for the box bottom. This sliding brace or bar serves as a carrier and spacer for the slide lugs 26 connecting the free end of the easel to the box body and the hinge line 25 by which this bar is joined to the adjacent leg 21 of the easel, may serve as a grip or handle for pushing the easel to its expanded position.

The easel is automatically locked in its extended relation, in the present disclosure, by inclined lugs 34 projecting from the edges of the bottom into the path of the slide tabs 26 which ride over these inclines and drop back into engagement with the relatively abrupt shoulders 35 at the ends of such inclines. The easel is thus automatically prevented from collapsing but if desired, it may be purposely folded by forcing the slide lugs back past the locking lugs.

Because of the one-piece construction, the box with the easel combined therewith can be produced inexpensively, the easel when not in use is out of the way and serves as a reinforcement for the box; when desired for use, the easel can be quickly brought into service by simply shifting the sliding end of the same along the box body and when extended by this action the easel is automatically locked in supporting position, where, by reason of its truss-like structure, it serves as a rigidly braced support, capable of carrying the load of the box and adapted to support the box at an incline such that the contents will be attractively displayed. The ways or slots in the sides of the box and the tabs operating therein provide a smooth, easy sliding action and the guard strips inside the box, overlying the tabs, protect the tabs from injury and enable the tabs to slide freely without disturbing or being obstructed by the contents of the box.

While the invention has been illustrated in what has been found to be a practical commercial form, it should be understood that the structure may be modified to suit different requirements without departure from the broad spirit and scope of the invention.

What is claimed is:

1. A display container and a V-shaped supporting easel carried by and forming with the container a triangular truss with the two ends of the V-structure flexibly and slidably connected at all times respectively with the body of the container to enable the folding and extension of the truss and means operable by sliding said truss into extended position for automatically locking the truss.

2. In display apparatus, a holder and a foldable support therefor comprising a strip connected with the holder at one end and flexible transversely intermediate its ends to produce three panels, the panel at the free end of the strip having means for interconnecting same at all times with the holder, including tabs at the ends of such panel, the holder having ways to receive said tabs and locking lugs on the holder over which the tabs are adapted to slide and automatically engage to secure the strip extended in supporting relation.

3. A display container having side walls with guard strips overlying the bottom of the container and an easel for supporting the container having connecting means entered between said guard strips and the bottom of the container.

4. A container having a bottom and side walls provided with guard strips overlying the bottom and an easel hingedly connected with the container and provided with connecting means slidably engaged between the bottom and the overlying guard strips.

5. A container having a bottom and side walls provided with guard strips overlying the bottom and an easel hingedly connected with the container and provided with connecting means slidably engaged between the bottom and the overlying guard strips, the bottom having projecting locking lugs for engagement with said slidable connecting means.

6. A display container comprising a bottom section having securing tabs at the edges thereof, side wall sections with inturned flaps overlying the bottom and slotted at the junction of said flaps with the side walls to receive the securing tabs and a supporting easel carried by the container and having connecting means entered between the bottom and the overstanding inturned flaps.

7. A container having a bottom section provided with securing tabs at the edges of the same and side wall sections with inturned flaps overlying the bottom and provided with slots at the junction of said flaps with the side sections for receiving the securing tabs.

8. As an article of manufacture, a blank having a bottom section and side sections with flaps foldable to overlie the bottom and an easel extension at one edge of the blank foldable to a truss-like support and having tabs for entry between the bottom and overlying side wall flaps.

9. A display container comprising a bottom having a pair of adjacent flat surfaces, an easel therefor hingedly connected to said container, said easel having tabs extending

transversely of said container and slidable between said surfaces longitudinally of said container.

10. A display container comprising a bottom having a pair of adjacent flat surfaces, an easel therefor hingedly connected to said container, said easel having tabs extending transversely of said container and slidable between said surfaces longitudinally of said container, and cooperating tabs carried by said bottom for automatically locking said easel in supporting position.

In testimony whereof we have hereunto set our hands.

JOHN J. RYAN.
JOHN GAFFNEY.