Oct. 4, 1932. C. C. NUCKOLS 1,881,224

DISPLAY STAND

Filed Aug. 18, 1930 2 Sheets-Sheet 1

Fig. 1.

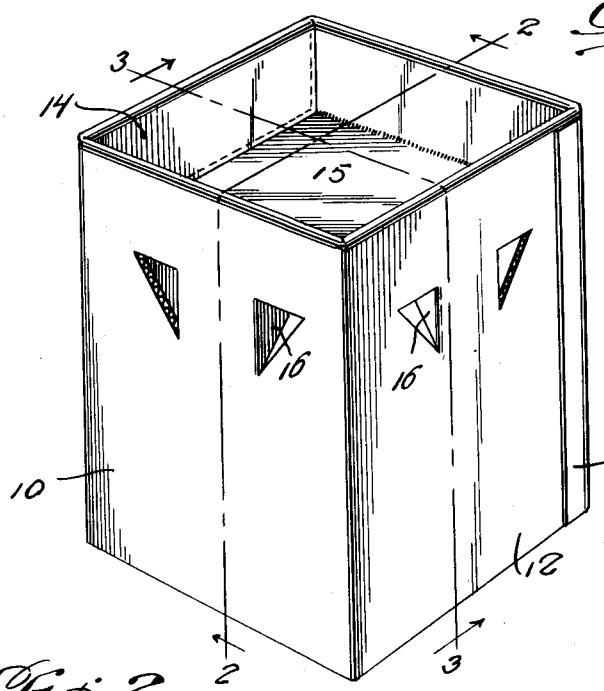


Fig. 8.

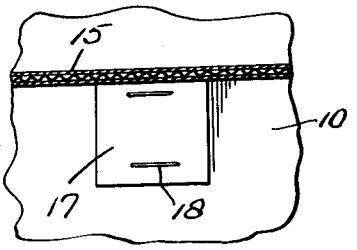


Fig. 2.

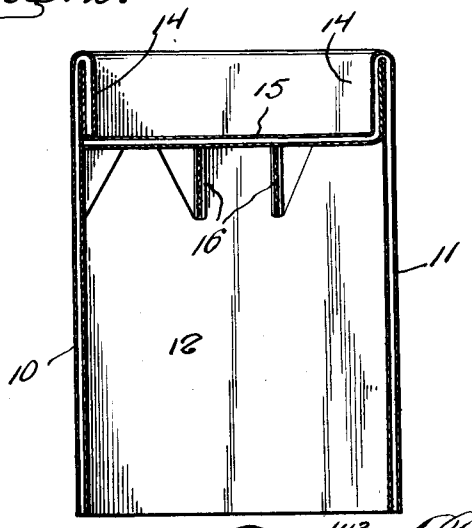


Fig. 3.

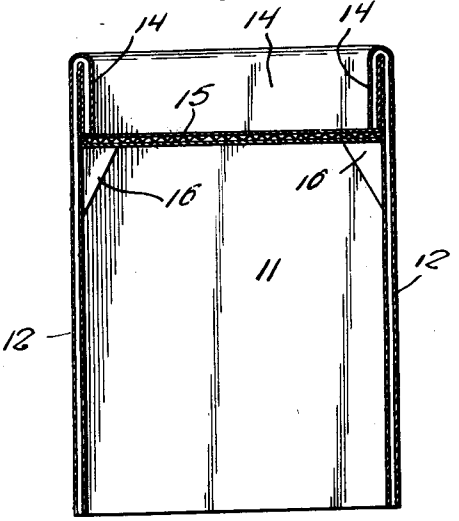
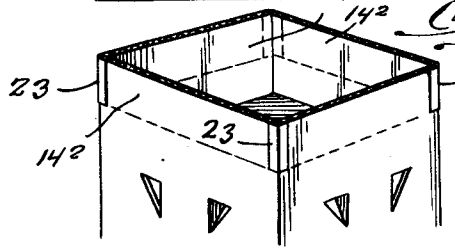


Fig. 9.



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DISPLAY STAND

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Fig. 4.

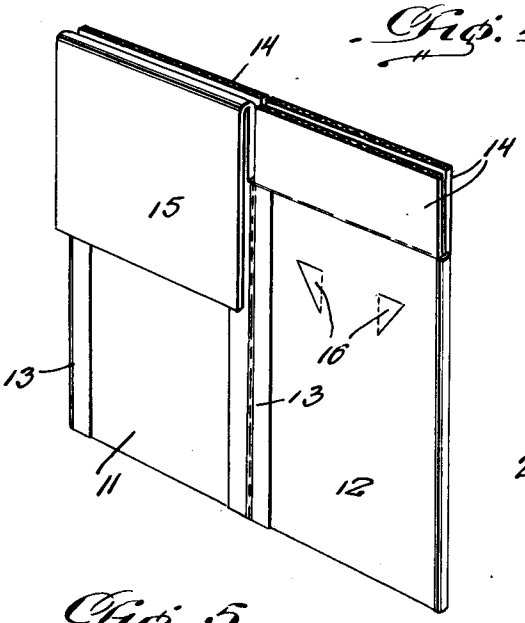


Fig. 6.

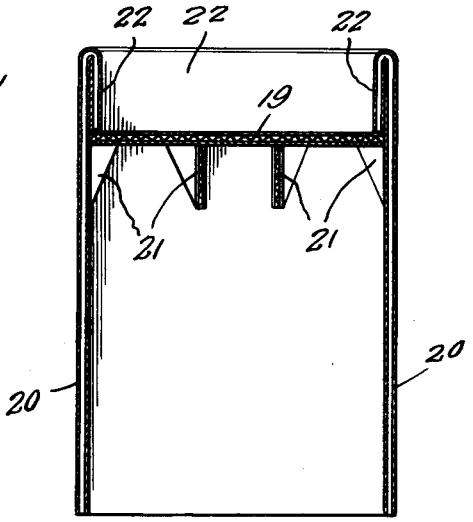


Fig. 5.

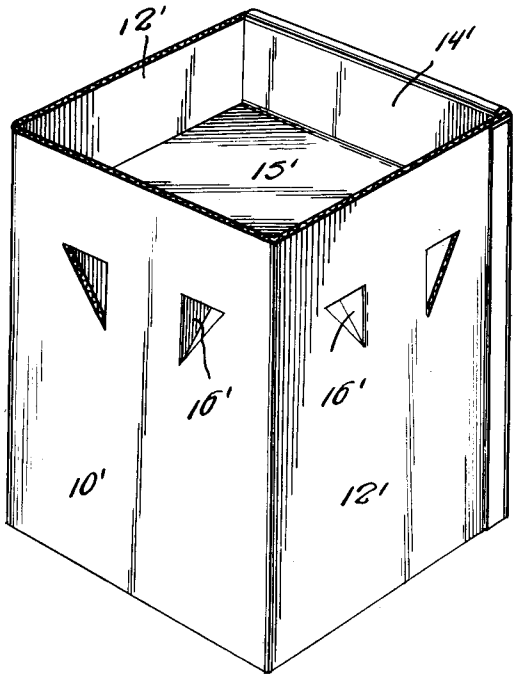
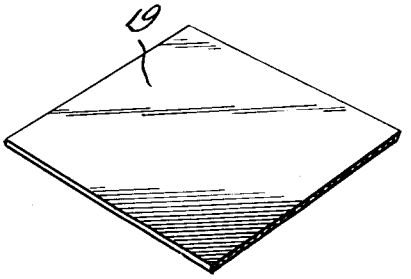


Fig. 7.



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UNITED STATES PATENT OFFICE

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DISPLAY STAND

Application filed August 18, 1930. Serial No. 476,233.

The present invention comprehends the provision of a collapsible display stand, which when set up for use embodies a tray-like compartment in its upper end wherein merchandise can be supported for display.

In accordance with the present invention the stand is constructed to permit of it being collapsed in a substantially flat compact condition to require but a minimum of space for both storing and shipping purposes, and also capable of being quickly and conveniently set up for use.

One of the chief characteristics of the present invention resides in the provision of a display stand of the above mentioned character wherein the upper portions of the walls are reinforced by inwardly foldable flaps which also afford the stand a neat and finished appearance.

Another object of the invention resides in a novel construction of means for supporting the bottom of the tray-like compartment in a manner which will not interfere with the collapsing of the stand in its entirety.

Other objects and advantages will appear from the following detail description, when read in connection with the accompanying drawings, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this application like numerals of reference indicate similar parts in the several views and wherein:

Figure 1 is a perspective view of the preferred embodiment of the invention.

Figure 2 is a sectional view on line 2—2 of Figure 1.

Figure 3 is a sectional view on line 3—3 of Figure 1.

Figure 4 is a perspective view showing the stand folded or collapsed.

Figure 5 is a perspective view of a modified construction.

Figure 6 is a view similar to Figure 2 but showing a separate removable bottom for the tray compartment.

Figure 7 is a view of the separate removable bottom employed in the construction illustrated in Figure 6.

Figure 8 is a sectional elevation of a modified means for supporting the bottom of the tray compartment.

Figure 9 is a fragmentary perspective view illustrating another way of arranging the foldable flaps to increase the size of the tray-like compartment.

The display stand forming the subject matter of the present invention is preferably constructed from a single blank of corrugated paper board, and folded to form a stand of rectangular contour in cross section. Consequently the stand includes a front wall 10, a rear wall 11 and opposed side walls 12, and the rear wall 11 is preferably joined to the adjacent side wall 12 by a strip of adhesive material 13. The stand of course may be constructed from any suitable material, and may also vary in size and configuration without departing from the inventive idea. The stand is open at its bottom, and formed with a tray-like compartment in the upper end thereof to receive and support the merchandise for display.

In accordance with the preferred embodiment of the invention illustrated in Figures 1 to 4 inclusive, each wall of the stand is provided with a flap 14 adapted to be folded inwardly to lie against the inner surface of the wall parallel therewith. The flaps 14 when folded within the stand as illustrated in Figures 1 and 2 not only serve to materially reinforce the upper portion of the stand itself, but affords the structure a very neat and finished appearance. In this embodiment of the invention the bottom 15 of the tray-like compartment is carried by one of the flaps 14 and is foldable from the lower edge of the flap, to permit the bottom to be arranged horizontally between the walls of the container an appreciable distance from the upper edge thereof as shown. Upon inspection of Figure 2 it will be noted that when the bottom 15 is arranged in position for use, the flaps 14 carried by the three remaining walls, when folded inwardly engage the bottom in a manner to hold the flaps against the inner surfaces of their respective walls, as well as to assist in holding the bottom 15 properly positioned within the stand.

While various means may be employed for supporting the bottom in a horizontal position for use, I preferably make use of a plurality of flaps 16 which are carried by the respective walls of the stand. These flaps 16 preferably form integral parts of their respective walls, and normally lie parallel therewith. The flaps are, however, capable of being very easily projected inwardly of the stand, to assume positions in angular relation to their respective walls, in which position they serve as a support for the bottom 15. As above stated, the inwardly foldable flaps 14 cooperate with the supporting flaps 16 to maintain the bottom fixed with relation to the walls in its given position for use.

In Figure 8 I have illustrated a modified construction of this feature of the invention, wherein I make use of a separate piece of material indicated at 17 which can be secured to the adjacent walls of the stand by staples 18, or in any other suitable manner. These pieces 18 constitute supporting members for the bottom 15 of the tray-like compartment, in contradistinction to the supporting flaps 16 above referred to.

The stand in its entirety is capable of being quickly and conveniently collapsed to produce a substantially flat compact article, to occupy a minimum of space for both shipping and storage purposes, and I have illustrated in Figure 4 the stand in a collapsed condition. The stand is collapsed along longitudinal lines, or in other words from the four longitudinal edges thereof. When the stand is collapsed as shown in Figure 4 the rear wall 11 and one side wall 12 are arranged side by side, with the said side wall 12 lying against the front wall 10 and the rear wall 11 against the remaining side wall 12 as illustrated. In order to collapse the stand in this manner it is of course necessary to remove the bottom 15 which is capable of being folded against the rear wall 12 parallel therewith, while the flaps 14 are extended in planes with their respective walls. The construction not only permits the stand to be easily collapsed in the manner described, but also permits the stand in its entirety to be very quickly and conveniently set up for use.

In Figure 5 I have illustrated a modified form of the invention wherein the stand is made in the same manner as hereinabove described, with the exception of the inwardly foldable flaps 14. In this form of the invention the front wall 10′ and the side walls 12′ have straight upper edges, while the rear wall is provided with an inwardly foldable flap 14′ which has associated therewith, preferably as an integral part thereof, the bottom 15′ of the tray-like compartment. This bottom 15′ is supported by the flaps 16′, although it may be supported in any other suitable manner without departing from the spirit of the invention. This form of the invention is capable of being collapsed in the same manner illustrated in Figure 4.

In Figures 6 and 7 I have illustrated a further modified form of the invention, wherein the bottom of the tray-like compartment is made as a separable part of the stand and indicated at 19. The bottom is of a size to be snugly fitted within and between the adjacent walls 20, and is adapted to be supported by flaps 21 carried by the walls of the stand and of the same construction as the flaps 16 described in connection with the preferred form of the invention. The removable bottom 19 may, however, be supported in a position for use by various other means carried by the walls of the stand, while in this form of the invention the stand is preferably provided with flaps 22 which are foldable inwardly from the upper edges of the walls to lie parallel therewith. When the flaps 22 are folded to their positions illustrated in Figure 6 they afford the stand a neat finished appearance, reinforce the upper portions of the walls, and also repose upon the removable bottom 19 to hold it effectively positioned upon its supporting means. If desired, the form of the invention illustrated in Figure 5 may also be provided with a removable bottom, in which event the flap 14′ in this figure would be eliminated.

Should it be desired to increase the depth of the tray-like compartment to accommodate larger packages or more material, the foldable flaps can be arranged in the manner illustrated in Figure 9. In this figure the flaps 14^2 are arranged vertically, forming continuities of their respective walls, and the adjacent ends of these flaps are adapted to be secured together in any suitable manner. I have illustrated in the specific embodiment of the invention in Figure 9 adhesive strips 23 for this purpose, although various other means may be employed in this connection.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood, that I do not limit myself to what is herein shown and described and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What is claimed is:

1. A collapsible display stand open at both ends and comprising spaced walls connected by fold lines, a tray bottom removably positioned within the stand an appreciable distance from the upper end thereof, means carried by the said walls upon which the bottom reposes, and flaps extending from the upper edges of said walls and adapted to be folded inwardly against said walls and upon said bottom to hold the latter against its supporting means.

2. A collapsible display stand open at both

ends and comprising spaced walls connected by fold lines, inwardly extending lugs struck from said walls, a tray bottom removably arranged within the stand an appreciable distance from the upper end thereof and reposing on said lugs, and flaps extending inwardly from the upper edges of said walls and adapted to be folded inwardly against said walls and upon said bottom to hold the latter on said lugs.

3. A collapsible display stand open at both ends and comprising spaced walls connected by fold lines, a flap foldable inwardly from the upper edge of one of said walls against the inner face thereof, and including a portion capable of being arranged horizontally between said walls to form a tray bottom, means carried by said walls for supporting said bottom, and flaps extending from the upper edges of the remaining walls and adapted to be folded inwardly against said walls and upon said bottom to hold the latter on its supporting means.

In testimony whereof I affix my signature.

CLAUDE C. NUCKOLS.