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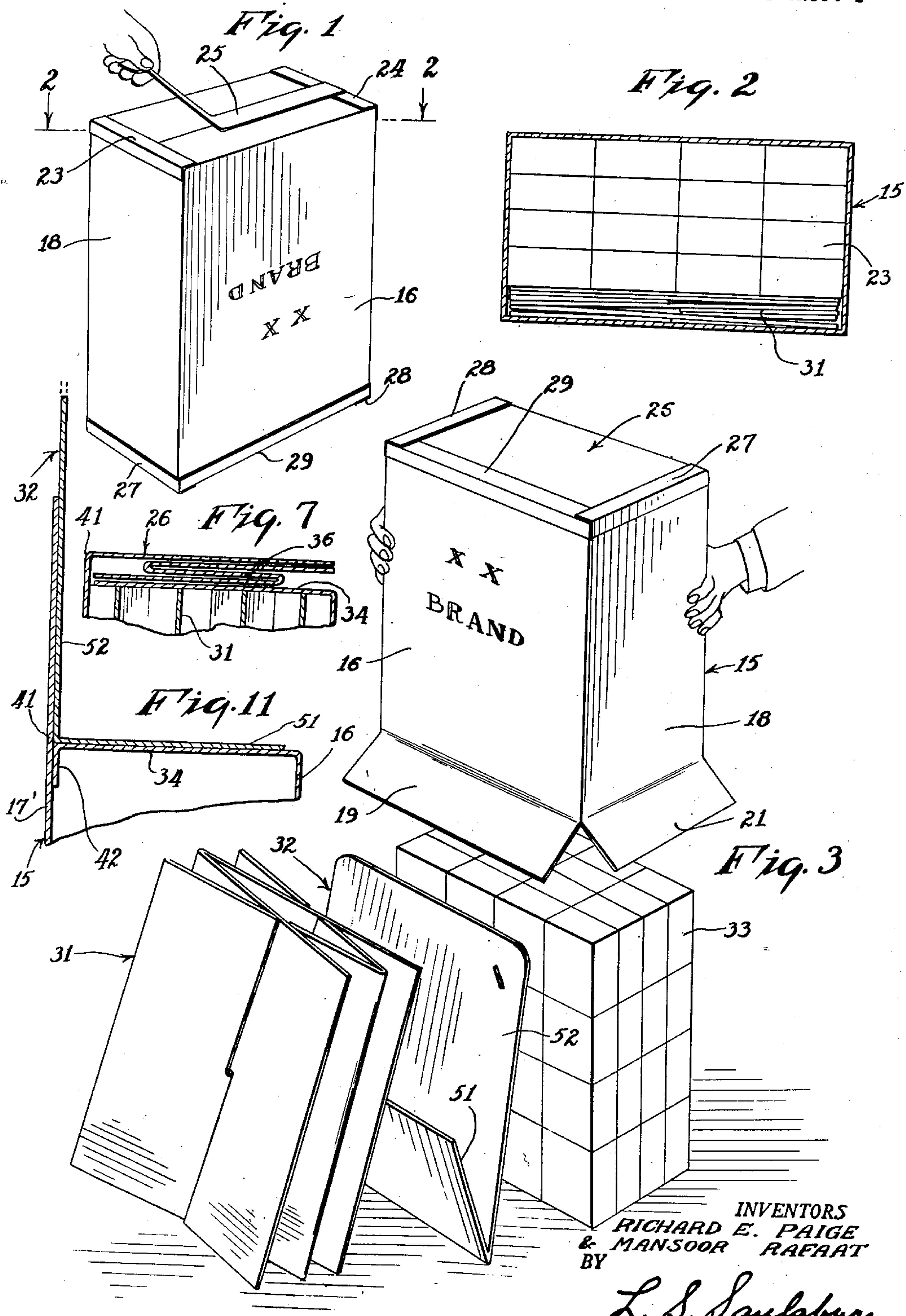
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COMBINATION SHIPPING CARTON AND FLOOR STAND

Filed Dec. 5, 1951

2 Sheets-Sheet 1



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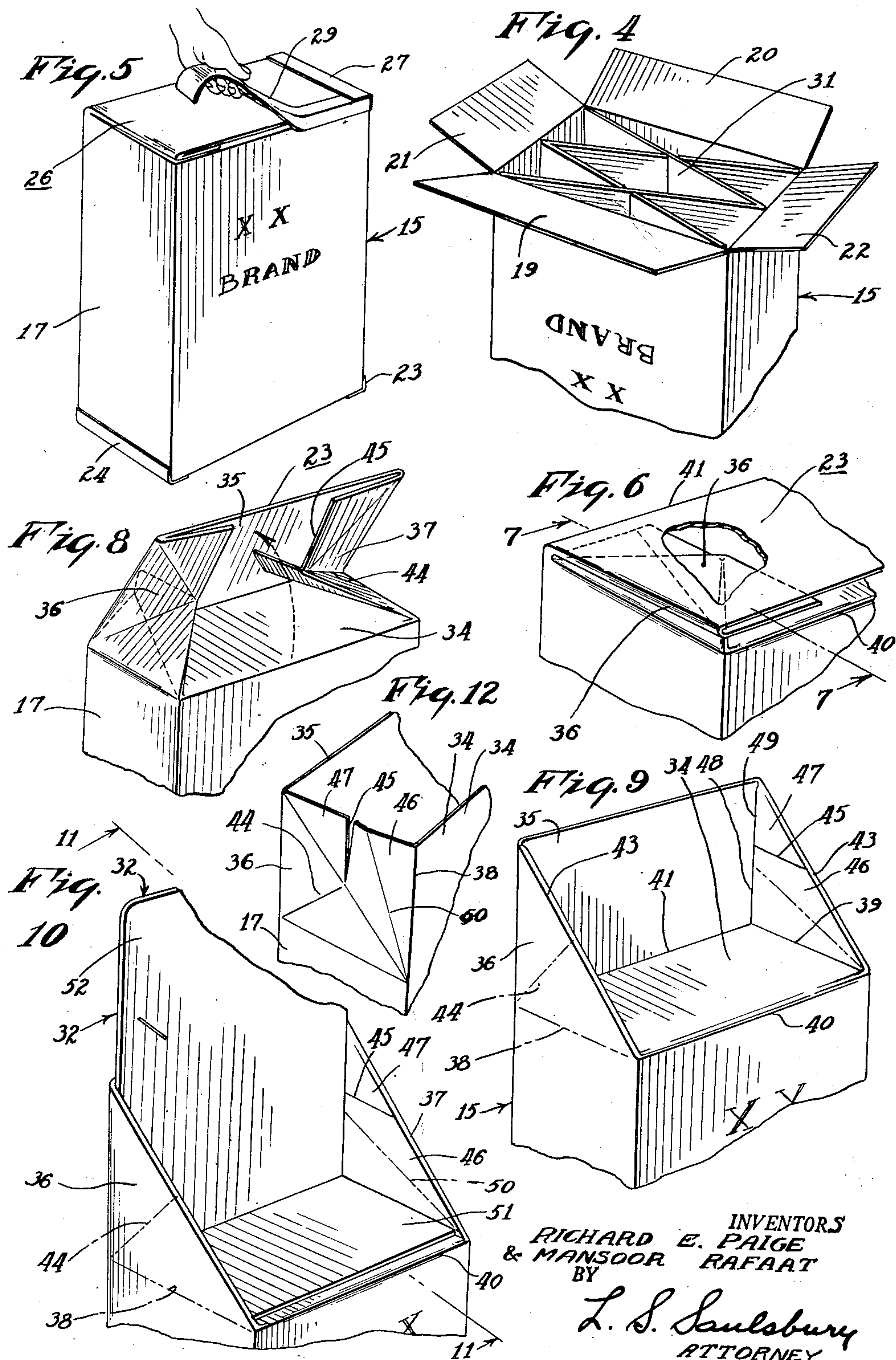
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COMBINATION SHIPPING CARTON AND FLOOR STAND

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4 Claims. (Cl. 206—44)

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This invention relates to a combination shipping carton and floor display stand.

It is an object of the present invention to provide a combination shipping carton and display stand made out of corrugated paper, straw board or similar sheet material wherein a display arrangement for the packaged items is foldable out of one end of the carton and wherein the foldable portions are integrally united by foldable connections at the corners and wherein the portion which is made horizontal to support the packaged items is connected and supported from one side and as well from two ends thereof.

It is another object of the invention to provide a shipping carton having foldable portions at one end thereof which can be easily and readily expanded from the body of the carton and collapsed in part to provide the display space and wherein by the insertion of a display extension having a vertical portion and a horizontal portion, the folded-out side end portions can be held in place against inward displacement and whereby to form a self-supporting display stand which will not collapse as the full contents of the carton are disposed thereon.

Other objects of the invention are to provide a combined shipping carton and floor display stand formed of foldable sheet portions, which is of simple construction, inexpensive to manufacture, has a minimum number of parts, rugged and durable, has a rigid and attractive display arrangement when extended, easy to assemble with packaged contents, permits removal of the contents of the carton without injury to the display portions of the carton, easy to reassemble as a display stand and efficient in use.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which:

Figure 1 is a perspective view of the carton disposed in an inverted manner and showing how the bottom flaps are folded and sealed, once the contents has been disposed therein;

Fig. 2 is an enlarged transverse sectional view of the box with the contents and with the accessory expansible inner support and display stand extension parts also disposed within the carton;

Fig. 3 is a collective and perspective view of the carton opened from its bottom and the contents discharged on the floor removed therefrom, the sealing strips having been pulled in a manner illustrated in Fig. 1 relative to relieving the carton of its contents;

Fig. 4 is a fragmentary perspective view of the

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carton which has been emptied and in which the internal collapsible support has been extended and adapted for use, the flaps being in their open positions and adapted to be folded to provide a supporting bottom for the stand;

Fig. 5 is a perspective view of the carton after the internal support has been expanded therein and the bottom flaps folded inwardly, the carton now resting upon the bottom flaps and showing the sealing strips being removed from the display stand portions of the carton;

Fig. 6 is a fragmentary view showing the manner in which the display stand portions are folded inwardly at one side of the carton and prior to the same being lifted to provide the display stand space;

Fig. 7 is an enlarged fragmentary transverse sectional view taken on line 7—7 of Fig. 6;

Fig. 8 is a fragmentary perspective view showing the display stand portions being lifted from the box end and being folded outwardly into their vertical positions;

Fig. 9 is a fragmentary perspective view of the display stand portions fully folded out and lying in their vertical positions;

Fig. 10 is a perspective view of the display stand end of the carton with the display extension disposed thereon to hold the side and folded out portions against inward displacement;

Fig. 11 is a vertical sectional view taken on line 11—11 of Fig. 10;

Fig. 12 is a fragmentary perspective view looking upon one end of the display arrangement with all portions thereof folded out to permit the carton to be filled with its contents or to be removed therefrom.

Referring now to the figures, 15 represents a shipping carton having a front wall 16, a rear wall 17' and side end walls 17 and 18. On the bottom of the carton are front and rear flaps 19 and 20 and side end flaps 21 and 22. These flaps are held when folded inwardly by end sealing strips 23 and 24 and an intermediate sealing strip 25 extending between the front and rear flaps, Fig. 1.

On the top of the carton, there is a folded-in display stand arrangement indicated generally at 26. This display stand arrangement 23 is held by side end sealing strips 27 and 28 and by a front edge sealing strip 29. This arrangement will be hereinafter described more in detail.

Besides the carton 15, there is provided for shipment therewith an expansible interior support 31 comprising interlocked supporting members expansible to extend between the front and

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rear walls of the carton, Figs. 3 and 4. Also, there is placed in the carton a display stand extension 32, Figs. 3 and 10, which is used with the display stand arrangement to hold the portions thereof in their extended and raised positions in a manner hereinafter described. The interior expansible support 31 and the display stand extension 23 are folded and disposed in the carton in the manner as shown in Fig. 2, along with small boxes 33 bearing the goods to be shipped and displayed. All of these items may be placed in the carton, either through the bottom thereof or through the top thereof on the display stand arrangement being folded outwardly.

The display stand arrangement 23 comprises front and rear foldable portions 34 and 35 and interconnected foldable side end portions 36 and 37. The front portion 34 is connected to the foldable side end portions 36 and 37 respectively along scored or fold lines 38 and 39. The front portion 34 serves when the portions are adjusted for display purposes as the support for the packaged goods 33. The side ends of the support portion 34 are thus united as at 38 and 39 with folded inside end portions 36 and 37 so that not only is this supporting portion 34 supported along its fold line 40 at the front of the carton, but also at the ends as at 38 and 39 whereby this folded front supporting portion 34 will be suspended from the folded side end portions 36 and 37 and connected at the fold line 40 with the front carton wall 16.

In order to give rigidity to the unconnected edge indicated at 41 of the supporting portion 34 there is provided a downwardly turned lip 42, Fig. 11. This will stiffen the edge 41 of the supporting portion 34. This lip 42 being connected at its ends to the folded side portions 36 and 37 thereby serves in truss fashion to support the edge 41 of the supporting portion 34 from the ends of the lip and from the foldable side end portions 36 and 37.

The folded side end portions 36 and 37 respectively have an inclined fold line 43 that allows the front supporting portion 34 to be dropped into its horizontal position shown in Fig. 9. Thereafter, in order to collapse rear flap portion 35, the side end portions are folded along median fold line 44 extending normal to the inclined fold line 43 and to the bottom corner of the rear portion 35.

The side end portions 36 and 37 are cut, as indicated at 45, to provide freedom so that the inner side part of the folded side end portion can be easily brought into proper position along the outer side of the side end portion. This cut 45 provides two inner side members 46 and 47. Free edges 48 and 49 of these respective members are drawn in tight along the front face of the rear portion 35 upon the side end portions being folded. The member 46 is foldable on itself along an inclined fold line 50 in order to facilitate the inward folding of the supporting portion 34 and of the side end portions.

In order to give support to the display arrangement and to the side end portions when these portions are folded, the display extension 32 is seated with its bottom portion 51 on the supporting portion 34 and its upright portion 52 lying against the rear display portion 35. The edges of the upright portion 52 thereof will bear against the inner edges 48 and 49 of the respective inner side members 46 and 47 to hold them against inward collapse.

In order to alter the shipping carton for use

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as a display device, the carton is first unloaded and from the bottom thereof the bottom is then closed. The display arrangement is lifted and the internal support 31 is expanded in the manner as shown in Fig. 4. Thereafter, the display arrangement is made to assume the position shown in Fig. 9 by lifting it in the direction indicated in Fig. 8. The side end portions 36 and 37 having been folded, they are merely folded out while leaving the portion 34 in the down and supporting position. The upright extension 32 is put in place, as shown in Fig. 10 to brace the members 46 and 47 against inward displacement. Thereafter, the packaged items 33 can be loaded upon the bottom 51 of the display extension 32. The extension bottom 51 and the supporting portion 34 and the expanded internal support 31 will give adequate support for the packaged items.

It should now be apparent that there has been provided a combination shipping carton and display stand which will have adequate support when the display stand end has been lifted and made ready to receive the packaged goods.

While various changes may be made in the detailed construction, it shall be understood that such changes shall be within the spirit and scope of the appended claims.

What is claimed is:

1. A display stand comprising a hollow body having front, rear and side end walls and a foldable top and display arrangement having front, rear and side end portions respectively foldably connected to the respective and corresponding front, rear and side end wall of the hollow body along horizontal fold lines and foldably connected to one another, each of the side end portions folded inwardly on itself along an inclined fold line extending between the horizontal fold line of the front portion and the upper edge of the rear portion, said front portion being folded inwardly and lying in a horizontal supporting position, each of the side end portions having a cut extending from its outer edge to the inclined fold line and providing two members one above the other, and a median fold line extending from the inclined fold line at the end of the cut to the bottom of the rear portion, whereby to permit the inward folding of the side end portions and the downward collapse of the rear portion.

2. A display stand comprising a hollow body having front, rear and side end walls and a foldable top display arrangement having front, rear and side end portions respectively foldably connected to the respective and corresponding front, rear and side end wall of the hollow body along horizontal fold lines and foldably connected to one another, each of the side end portions folded inwardly on itself along an inclined fold line extending between the horizontal fold line of the front portion and the upper edge of the rear portion, said front portion being folded inwardly and lying in a horizontal supporting position, each of the side end portions having a cut extending from its outer edge to the inclined fold line and providing two members one above the other, a median fold line extending from the inclined fold line at the end of the cut therewith to the bottom of the rear portion and a fold line extending diagonally through bottom member of the side portion upwardly and rearwardly from the bottom of the front portion to outer edge of the member whereby to facilitate the inward folding of the side end portions and the

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front portion between horizontal and supporting positions.

3. A display stand comprising a hollow body having front, rear and side end walls and a foldable top display arrangement having front, rear and side end portions respectively foldably connected to the respective and corresponding front, rear and side end wall of the hollow body along horizontal fold lines and foldably connected to each other, each of the side end portions folded inwardly on itself along an inclined fold line extending between the horizontal fold line of the front portion and the upper edge of the rear portion, said front portion being folded inwardly and lying in a horizontal supporting position, each of the side end portions having a cut extending from its outer edge to the inclined fold line and providing two members one above the other, a median fold line extending from the inclined fold line at the end of the cut therewith to the bottom of the rear portion and a fold line extending diagonally through the bottom member of the side portion upwardly and rearwardly from the bottom of the front portion to the outer edge of the member, and a display extension fitted into said display space and having a horizontal portion overlying the folded in front portion and a vertical portion bearing against the rear portion with its side edges engaging with the side portions whereby to hold the same against inward flexure.

4. A combined shipping carton and display stand comprising a generally square or rectangular conventional carton body having front, rear and side walls, bottom closure flaps hingedly connected to the respective side walls and

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foldable thereover to provide a bottom closure for the carton body, combined top closure and display flaps hingedly connected to the respective front, rear and side walls of the carton body, said front and rear flaps being unbroken and hingedly connected at their opposite sides to the side flaps, each of said side panels having a forty-five degree fold line extending from the front bottom corner to the rear top corner of the connected flaps and another forty-five degree fold line extending normal to the first forty-five degree fold line to the bottom rear corner and a cut extending vertically from the meeting point of the forty-five degree fold lines to the top edge of the side flap and another fold line extending from the lower front corner to the top edge of the side flap and bisecting the side portion between the first forty-five degree fold line and the vertical connection of the side with the front portion, whereby the display flaps act as a closure for shipping and as a holding platform for display of merchandise.

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