





## UNITED STATES PATENT OFFICE

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## DISPLAY STAND

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2 Claims. (Cl. 248—174)

This invention relates to display stands, particularly floor display stands of fiberboard or other bendable sheet material.

The principal object of the invention is to produce a display stand of the above type which can be shipped in a flat, compact condition and readily set up to form a strong and rigid self sustaining structure capable of supporting considerable weight. The invention consists in the floor display stand and in the construction, combinations and arrangements of parts hereinafter described and claimed.

In the accompanying drawings, which form part of this specification and wherein like symbols refer to like parts wherever they occur,

Fig. 1 is a perspective view of a fiberboard floor display stand embodying my invention,

Fig. 2 is a rear elevation,

Fig. 3 is a top plan view,

Fig. 4 is a top plan view with the shelf and back board shown removed,

Fig. 5 is a vertical section through the upper portion of the stand on the line 5—5 in Fig. 3,

Fig. 6 is a similar section on the line 6—6 in Fig. 3,

Fig. 7 is a view of the blank from which the hollow upright body of the stand is formed; and

Fig. 8 is a view of the blank from which the shelf and back board of the stand are formed.

My floor display stand comprises an upright multi-sided tubular body A provided at its upper end with a sunken shelf B and an upstanding back or display board C, all made of corrugated fiberboard or other bendable material.

The hollow upright body A of the stand is made from a blank D (see Fig. 7) comprising a rectangular sheet of corrugated or solid fiberboard that is divided by vertical score or crease lines 1 into end panels 2 and intermediate panels 3 and has its upper marginal portion slit vertically, as at 4, along said creases to form separate flaps or extensions 5 and 6 at the upper ends of said ends and intermediate panels, respectively. The blank D is also scored or creased along a horizontal line 7 located at the bottoms or inner ends of the vertical slits 4 and also along a horizontal line 8 located near the free outer ends of the panel extensions or flaps 5 and 6. The end panels 2 of said blank have slits 9 therein from which supporting tabs 10 are bent. The flaps 5 of the end panels 2 and the flaps 6 of certain of the intermediate panels 3 have elongated slots 11 and 12, respectively, cut therein along the horizontal score line 8.

To assemble the body A of the display stand,

the blank D is bent along the vertical score lines 1 into hexagonal shape with its two end panels 2 in abutting relation and secured together by a strip 13 of suitable adhesive material to form the back wall of said body, each of the intermediate panels 3 forming one of the remaining walls of said body. The connected flaps 5 at the upper ends of the end panels 2 are then folded downwardly and inwardly along the horizontal score line 7 flatwise against the inner faces of said panels, the depending free end portions of said flaps are then bent upwardly along the horizontal score line 8 into horizontal position to form a ledge 14, and the tabs 10 of said end panels are then bent inwardly beneath said ledge to afford vertical support therefor. The flaps 6 at the upper ends of the intermediate panels 3 are then likewise bent downwardly along the score line 7 against the inner faces of the respective intermediate panels and thence upwardly along the score line 8 to form horizontal ledges 15. As shown in Fig. 4, the front panel ledge overlaps and is sustained by the next two adjacent panel ledges and these panel ledges overlap and are supported on the two remaining intermediate panel ledges, which, in turn, overlap and are sustained by the rear panel ledge 14 that seats on the two inturned tabs 10 located therebelow, thereby forming a continuous load supporting ledge made of overlapped parts that transmit the load from one to the other and finally to the ledge supporting tabs 10 of the back panel.

The shelf B and back board C are made from a blank E of corrugated or solid fiberboard, a crease or score line 17 being provided between the shelf and back board forming portions of said blank so that the back forming portion may be bent upwardly at right angles to the shelf forming portion. The shelf B is shaped to snugly fit within the upper portion of the hollow body A and seat on the ledges 14 and 15 of the end and intermediate panels; the back board C bears flatwise against the back wall of the body A and extends a suitable distance above the top thereof. As shown in the drawings, the shelf is provided at its front, back and side edges with outstanding tongues 18 that are creased along their lines of connection with said shelf and are bent downwardly at substantially right angles to said shelf and extend downwardly through the slots 11 and 12 in the flaps 5 and 6, respectively, where they are bent to form the shelf supporting ledge.

By the arrangement described, the display stand may be folded compactly for shipment

and readily set up to form a strong and rigid self sustaining display stand. The shelf supporting arrangement provides a firm support for the shelf without the use of supports that extend clear to the bottom of the upright body. The shelf tends to prevent crushing of the body and is adapted to support considerable weight, while the interlocking tongue and slot connections between the shelf and the supporting ledges along the line of bending of said ledges serve to prevent said ledges from swinging downwardly and giving way under vertical load. These interlocking connections also prevent spreading of the walls of the hollow body of the display stand.

What I claim is:

1. A display stand comprising panels of bendable material forming an upright tubular body with separate extensions at the upper ends of said panels that are bent down against the inner faces of the respective panels and are thence bent at right angles to said face to form substantially horizontal disposed ledges in said tubular body, said ledges having slots extending vertically therethrough along the lines where said extensions are bent to form said ledges, and a shelf fitted in said tubular body between the downwardly bent extensions of said panels and supported directly on said ledges, said shelf hav-

ing tongues at its edges that extend downwardly through said slots and alongside of the inner faces of said panels below said shelf to thereby resist downward swinging movement of said ledges under vertical load.

2. A display stand comprising panels of bendable material forming an upright tubular body with separate extensions at the upper ends of said panels that are bent down against the inner faces of the respective panels and are thence bent at right angles to said faces to form substantially horizontal disposed ledges in said tubular body, said ledges having slots therein adjacent to and disposed longitudinally of the lines where said extensions are bent to form said ledges, a shelf of bendable material fitted in said tubular body between the downwardly bent extensions of said panels and having downwardly bent tongues at its edges that extend downwardly through said slots alongside of the inner faces of said panels below said shelf, and a direct support on one only of said panels for the ledge formed by the extension thereof, said ledges having their adjacent ends overlapped so as to transmit vertical load to said supported ledge from any one of the remaining ledges.

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