

[54] ROTATABLE DISPLAY STAND

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[58] Field of Search. **211/163, 144, 131, 211/177, 58, 70, 78, 95, 115; 248/168, 170, 435, 425, DIG. 3**

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[57] ABSTRACT

A rotatable display stand comprising four perforated panels having brackets on the rear faces thereof adapted to interlock around an upright support member and rotate therearound on a supporting ball-bearing collar member. The stand is assembled from a knocked-down condition without the use of tools.

3 Claims, 3 Drawing Figures

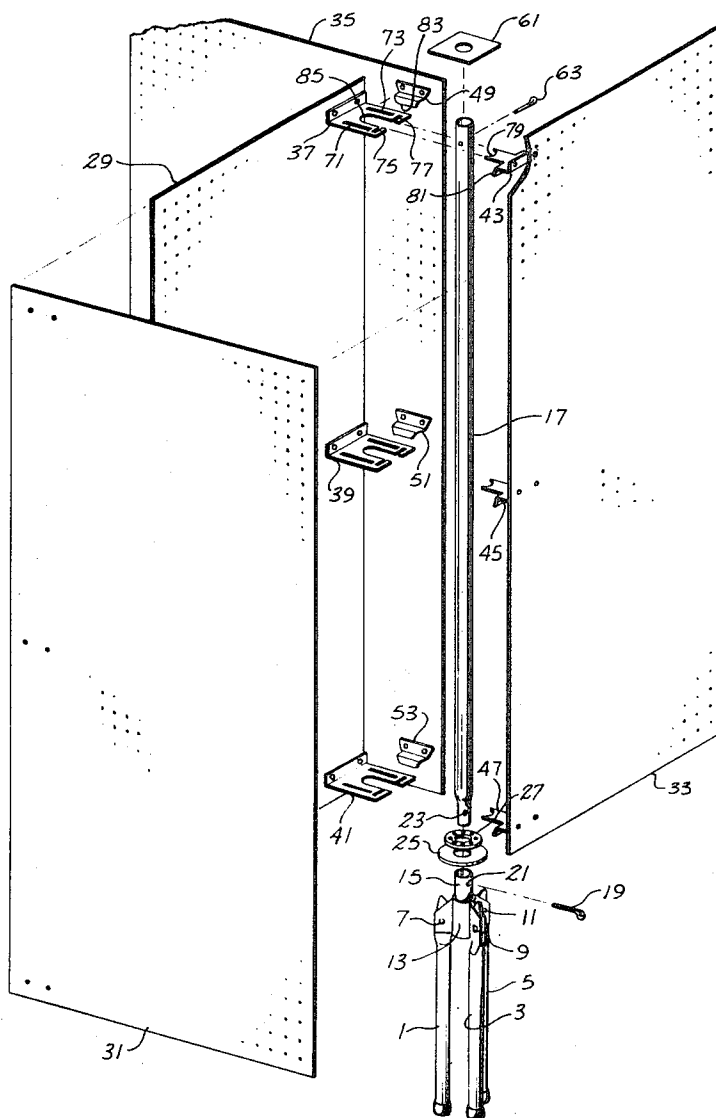


Fig. 1

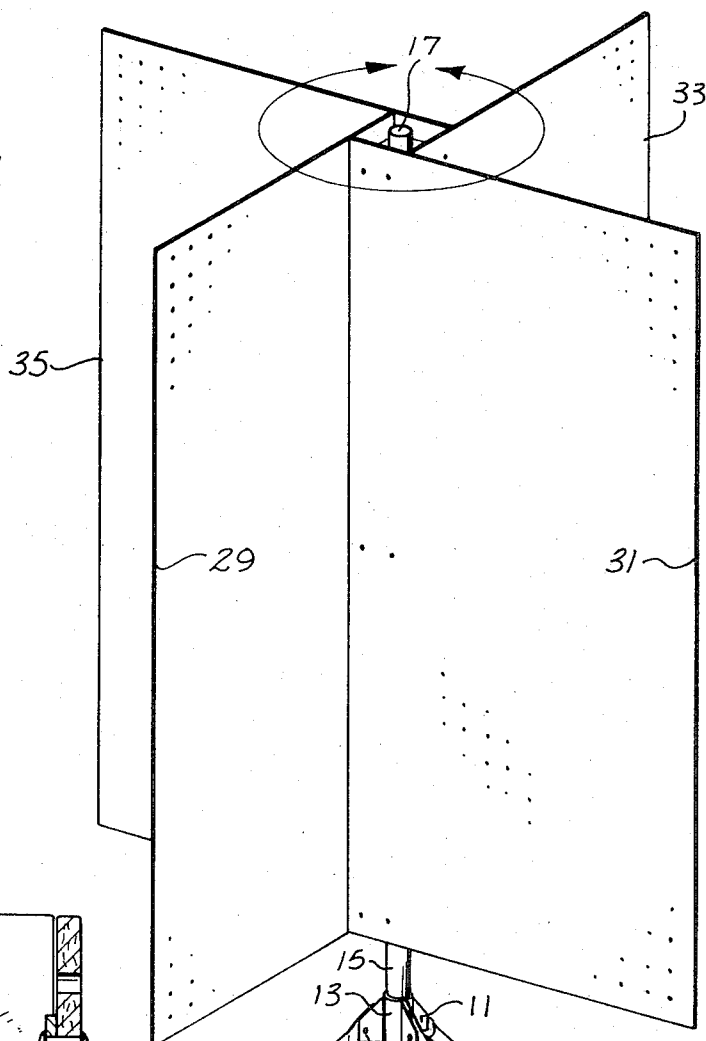
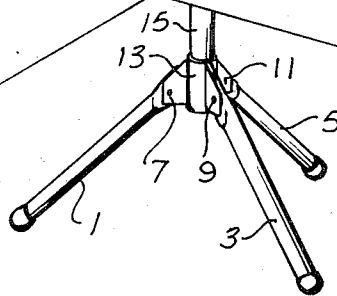
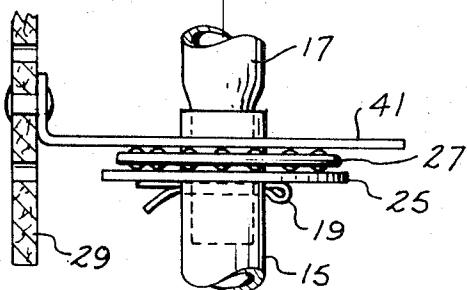
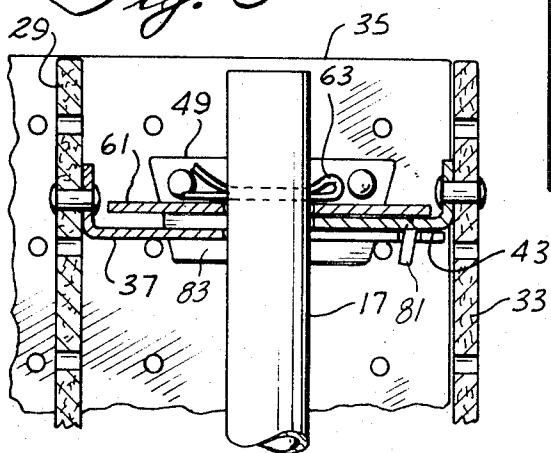


Fig. 3



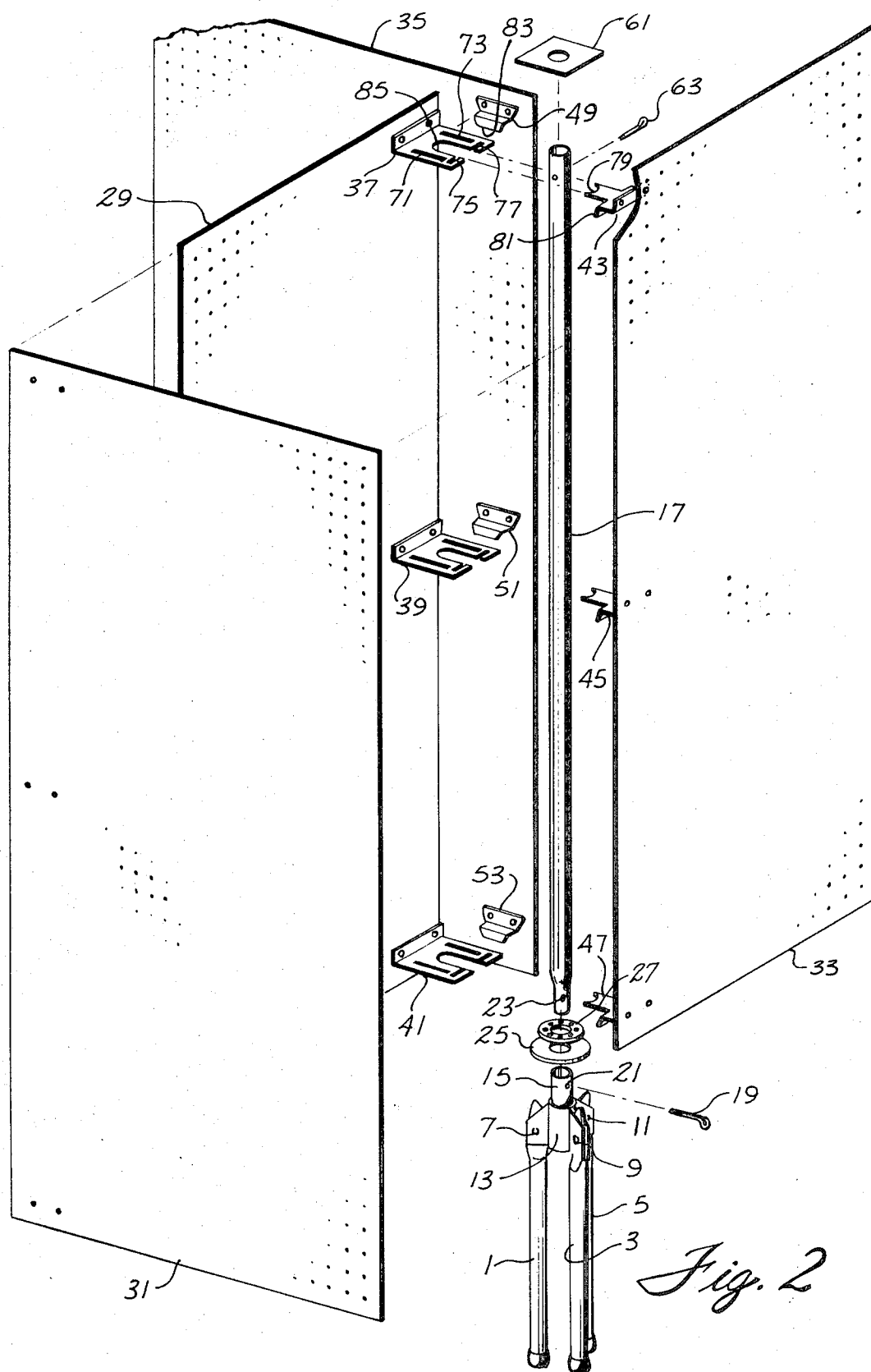


Fig. 2

ROTATABLE DISPLAY STAND

BACKGROUND OF THE INVENTION

The present invention relates to a knocked-down type display stand which may be used in hardware stores, supermarkets and the like for displaying various goods and merchandise in pre-packaged form.

In the art of merchandising the type of display provided for a particular goods is very often an important factor in the amount of sales of such goods. The different available structures for displaying merchandise are too numerous to be discussed. However, in a field in which convenience in handling and economy of shipping are important factors, the advantages attendant the use of display stands which may be shipped in knocked-down condition are obvious. Accordingly, it is a feature of the present invention to provide a knocked-down display stand which is attractive in appearance and readily assembled by unskilled personnel without the use of tools.

SUMMARY OF THE INVENTION

The stand of the present invention includes a base member having three collapsible legs pivotally mounted on a collar which contains a short tubular section designed to receive an upright support member. A washer is mounted over the base collar member to support a ball-bearing member which rotatably supports four perforated display panels. The four display panels are mounted in orthogonally projecting relationship about the upright support member by means of three different configurations of interlocking brackets. The entire structure can be assembled quickly and easily from a knocked-down condition by unskilled personnel without the use of tools.

BRIEF DESCRIPTION OF THE DRAWINGS:

FIG. 1 is a perspective view of a display stand constructed in accordance with the principles of the present invention;

FIG. 2 is an exploded perspective view of the display stand shown in FIG. 1; and

FIG. 3 is a detail view showing the interlocking arrangement of the top and bottom bracket members.

DESCRIPTION OF THE PREFERRED EMBODIMENT

The invention will be understood more readily by referring to FIG. 1 which is a view of a display stand showing the overall configuration in perspective. The stand comprises a tripod type base with legs 1, 3, 5 pivotally mounted at points 7, 9, 11, respectively, on collar member 13.

As shown in the exploded perspective view of FIG. 2 the collar 13 supports a short length of tubing 15 which receives upright support member 17 in nesting relationship. Upright support member 17 is locked in position by means of cotter pin 19, which passes through hole 21 in tubing 15 and hole 23 in upright support member 17. Washer 25 rests on cotter pin 19 and supports ball-bearing collar member 27.

Four perforated display panels 29, 31, 33, 35 are interlocked around upright support member 17 by means of bracket members fastened to the back of the panels. Panel 29 has a first set of bracket members 37, 39, 41 which are identical in construction. Similarly, panel 33 has a second set of identical bracket members 43, 45,

47, and panels 31 and 35 have a third set of identical bracket members. Bracket members 49, 51, 53 are shown on panel 35, but the bracket members on panel 31 are not visible in the views. When the brackets interlock around upright support member 17 the assembly is rotatable because the lowermost bracket member 41 rests on ball bearing collar member 27. Cap plate 61 fits over upright support member 17 and is held in position by cotter pin 63.

The unique configurations of the various bracket members enable them to interlock so that the entire structure can be assembled without the use of tools of any sort. The configuration of the first set of bracket members will be understood more readily by referring to bracket 37 which is one of three identical bracket members. Bracket 37 is riveted to the back of display panel 29. A flat bifurcated portion of the bracket has parallel slots 71, 73 in the bifurcations. Slot 73 receives the downwardly-turned portion 83 of bracket 49. Upright support member 17 is received against the curved portion 85 of bracket 37 so that slot portions 75, 77 extend beyond member 17 to receive the downwardly-turned portion 81 of bracket 43. When portion 81 of bracket 43 is locked in slot portions 75, 77, the curved portion 79 of bracket 43 fits around a portion of the circumference of upright support member 17 in complementary relationship.

The brackets located at the bottom of the panels and the brackets located in the middle interlock with each other in the same fashion as the top brackets just described. In this way the panels can be mounted quickly without the use of tools. The panel assembly is then locked in position around upright support member 17 by cap plate 61 and cotter pin 63.

What is claimed is:

1. A display stand comprising
 - a base member,
 - an upright support detachably mounted on said base member,
 - four display panels,
 - first bracket means fixedly mounted on a first of said panels,
 - each of said first bracket means comprising a bifurcated member extending at substantially right angles to said first panel and having at least three slots spaced about the periphery thereof, the bifurcation being open at the end of said bracket remote from said panel,
 - second bracket means fixedly mounted on a second of said panels,
 - each of said second bracket means having a tongue portion projecting at substantially right angles from said second panel and a downwardly-turned portion,
 - third bracket means mounted on the third and fourth panels,
 - each of said third bracket means having a downwardly-turned portion,
 - the downwardly-turned portions on the second, third and fourth panels being receivable in the slots in said first bracket means, and the bifurcations of said first bracket means and the tongue on said second bracket means being adapted to receive the upright support therebetween,
 - whereby said four display panels can be assembled around said upright support with said brackets being in interlocking relationship.

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2. The combination according to claim 1 including bearing means mounted on said upright support to facilitate the rotation of said display panels about said upright support.

said base member includes collapsible leg means to enable said base member to be collapsed into compact form for storage and handling.

3. The combination according to claim 1 wherein 5

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