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DEMOUNTABLE SHELVING

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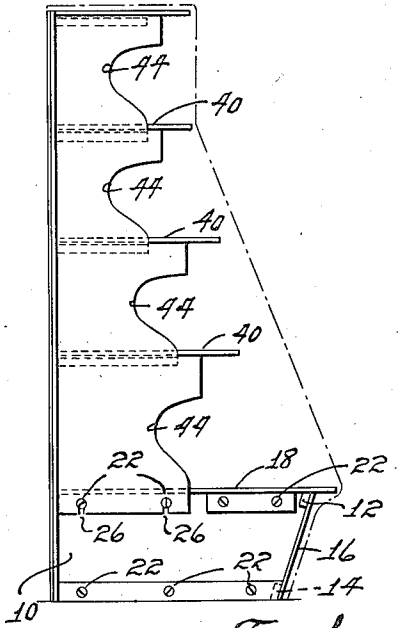


Fig. 1.

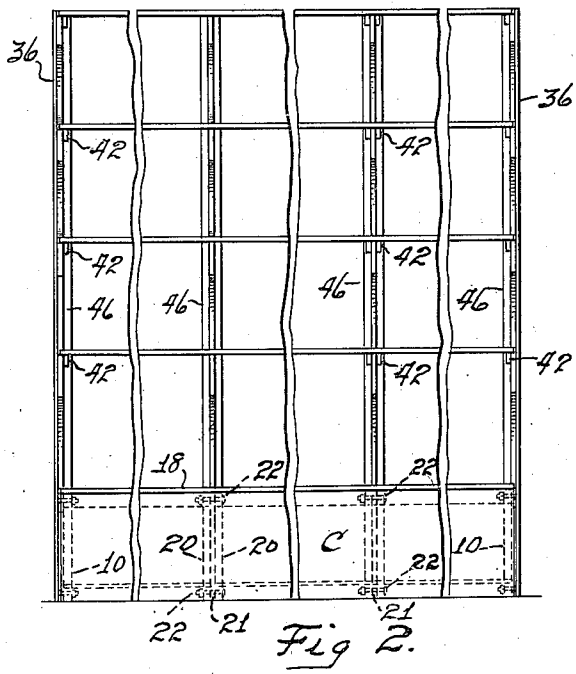


Fig 2.

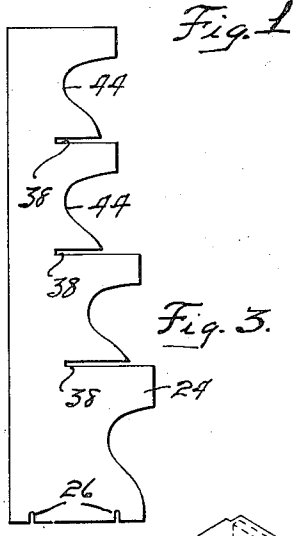


Fig. 3.

Fig. 4

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DEMOUNTABLE SHELVING

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3 Claims. (Cl. 211—148)

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The present invention relates to display shelving and more particularly to a combination storage case and display shelving which is especially well adapted for use in displaying articles of merchandise.

Objects of this invention are to provide a novel display and storage case whereby articles of merchandise may be pleasingly displayed and which is attractive in appearance; to provide a combined shelving and storage structure which may be readily and conveniently assembled, if desired alongside of one or more similar structures, whereby the length of display may be increased as desired; and to provide a demountable display shelving structure which is economical to manufacture and which may be made chiefly of glass, metal or similar materials.

An illustrative embodiment of the invention is shown in the accompanying drawings, wherein

Fig. 1 is an elevational end view of a display structure embodying the principles of this invention;

Fig. 2 is a front elevational view of the shelving structure;

Fig. 3 is a side view of a vertical panel member for supporting the horizontal shelving, and

Fig. 4 is a front perspective view, partly in section, of the shelving structure shown in Figs. 1 to 3 illustrating the combination of two similar units to provide increased display length.

Referring to the drawings, a lower display or storage case C comprises a pair of vertically spaced apart end panels 10 secured together at the front by an upper horizontal strut 12 and a lower horizontal strut 14. The upper strut 12 extends forwardly of the lower strut 14 and both struts, as well as the forward edges of end panels 10, form a support to which a sloping front panel 16 is secured. A horizontal glass panel 18 is supported by the top edge of the side panels 10 and upper horizontal strut 12 and forms a cover for the display case C.

A pair of closely spaced reenforcing vertical panels 20 may be disposed within the case approximately midway between the end panels 10 so as to engage the upper and lower horizontal struts 12 and 14 respectively. As shown in Fig. 2 a narrow insert 21 is disposed between the reenforcing panels 20 adjacent to the upper and lower edges of the latter to provide suitable spacing means between such panels. Fastening means such as bolts 22 may extend through suitable apertures in the panels and inserts to provide rigidity and strength to the structure. A lower edge of a vertical member 24 having a thickness

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substantially equal to that of the inserts 21 is disposed between the reenforcing panels and extends from the rear of the case C to a point adjacent to the narrow insert 21. Slots 26 located in the lower edge of the member 24 engage the bolts 22 and upon tightening the latter the vertical member is rigidly secured to the case C. The glass top 18 may be provided with a slot to permit it to fit snugly around the vertical member, or the latter may be slotted at least in part to receive the horizontal glass plate or plates or other shelving means.

Vertical end panels 30 of substantially the same thickness, width and height as the vertical member 24 are disposed on the outer sides of the end panels 10. The lower edge of each end panel is similarly slotted in size and position as in the lower edge of vertical member 24. If desired, an additional and similar display unit C' may be bolted to an end panel by the insertions of bolts through apertures 34 in the cooperating end panels of each unit, thereby rigidly securing vertical panel 30 between such units. Alternatively, the outer surface of end panels 10 and 30 may be covered with a metal, glass, or plastic panel 36 to provide a more pleasing appearance.

The vertical panels 24 and 30 are slotted at 38 i. e., at suitable heights from the front to receive horizontal shelving members 40. A horizontal reenforcing strut 42 may be disposed, if desired, on the lower edge of each slot to assist in supporting each horizontal shelf. As shown in the drawings the front edge of each vertical member may be pleasingly curved as at 44 to give an attractive appearance to the structure. A vertical reenforcing member 46 may be secured to the rear edge of each vertical member to insure strength and rigidity to the entire structure.

Assembly of the combined show case and display shelving of this invention may be accomplished merely by bringing as many units as are desired into juxtaposition with each other and, after placing the vertical shelving supports between each unit, fastening such units together by means of bolts or the like. The glass top of the case as well as the shelves may then be slid into place. If desired, the entire structure may be quickly disassembled thus permitting maximum flexibility in manufacture, transportation and use; the advantages of the use of such a structure are particularly apparent in crowded stores where display space is at a premium.

It will be understood that various changes and modifications may be made in the above-described specific embodiment of our invention

without departing from the spirit and scope of the invention as set forth in the appended claims.

What is claimed is:

1. A combination demountable display case and shelving comprising a horizontally disposed case having end panels, spacing members disposed along the lower exterior edge and upper forward edge of each panel, horizontal strut means secured to the upper and lower front edge of each panel for separating said panels, a case cover disposed on and supported by the upper edge of said panels and the upper horizontal strut means, a vertically-extending shelving-supporting member having substantially the same thickness as said upper spacing member and located rearwardly of the latter on the external side of each end panel, a front panel disposed against said strut members and an edge portion of said lower spacing member, and fastening means for securing said end panels and vertical member in rigid assembly.

2. A combination display case and demountable shelving comprising a plurality of individual horizontally disposed cases having end panels and disposed in side-by-side relation, spacing means disposed between each pair of panels adjacent to a top forward edge and a lower edge thereof, vertical shelf-supporting members each having a plurality of recesses along a lower edge portion thereof and disposed rearwardly of said top spacing means, fastening means extending through said panels and vertical members within

said recesses and additional fastening means extending through said panels and spacing means for securing said cases and shelf supporting members in rigid assembly, and shelving extending across and supported by each vertical member.

3. A combination display case and shelving as claimed in claim 2, in which each vertical member is horizontally slotted at a desired height above said case to receive a shelf having a vertically extending slot which interfits with said horizontally positioned slot thereby forming a rigid assembly of said shelving and said supports.

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