

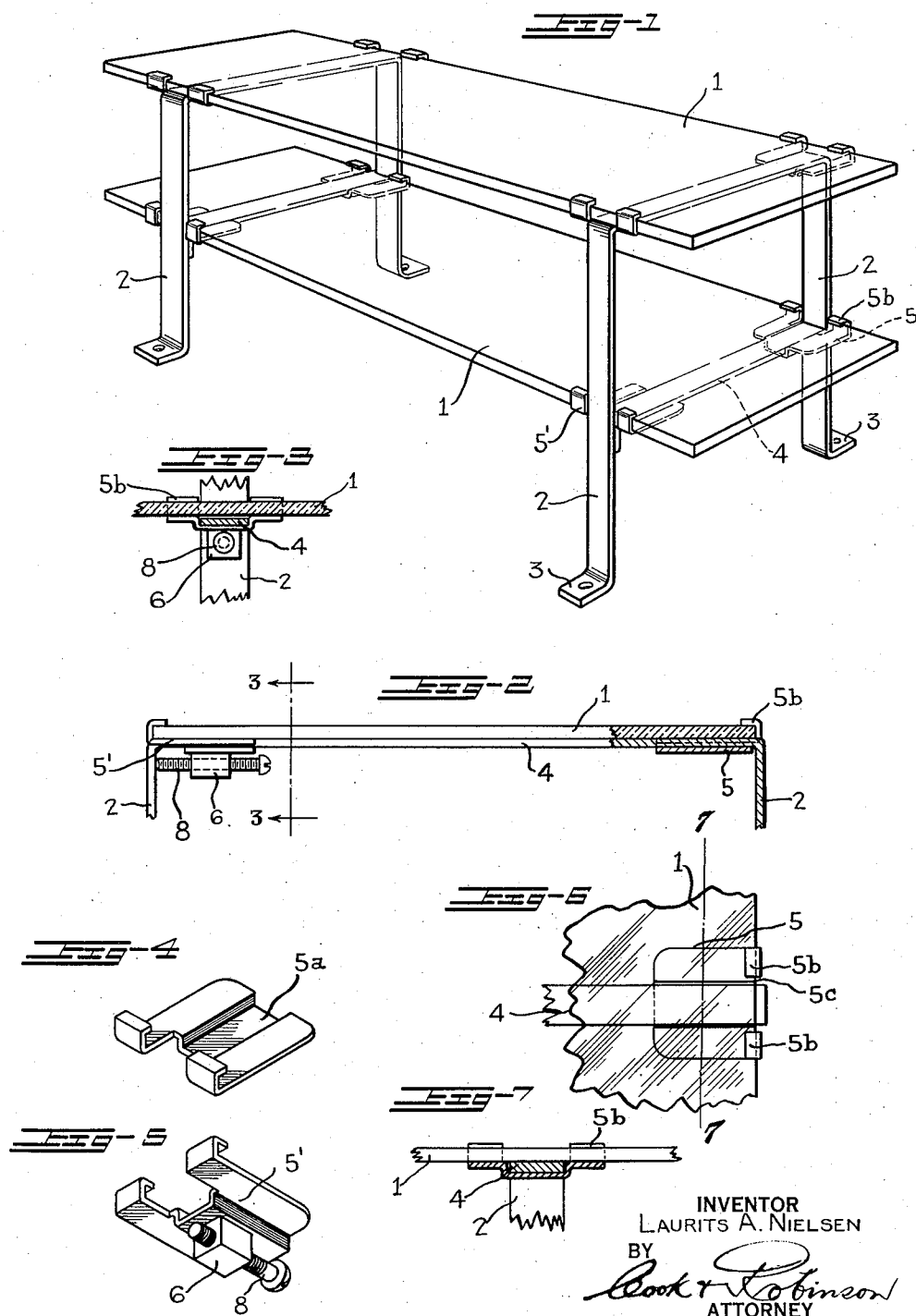
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DISPLAY STAND

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DISPLAY STAND

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This invention relates to improvements in display stands, and more particularly to stands of that character used within or upon show cases for the display of small articles such as jewelry, and which comprises one or more plate glass shelves supported by frames at their opposite ends.

The present invention is in the nature of an improvement on the display stand construction described and illustrated in United States Patent No. 1,586,213, issued to me on May 25, 1926, and the improvement resides in the construction of the clips, or clamps, whereby the glass shelves are secured to the end frames and in the means for securing the parts in a substantial, rigidly connected relation.

In the patent above referred to, the end, or supporting, frames comprise cross bars on which the glass shelves are supported. One edge of each panel is gripped by a clamp that is rigidly secured to the cross bar, while the other edge of each panel is gripped by a clamp that has a slidable connection with the cross bar. This above construction, while satisfactory to a certain extent, is of a more expensive construction than that hereinafter described, and it was principally for this reason and also for the purpose of eliminating unnecessary pieces, that the present construction was devised.

The principal object of this invention, therefore, resides in the provision of an improved type of display stand that is relatively inexpensive, substantially rigid when assembled, attractive in appearance and easily and readily assembled or disassembled.

In accomplishing the various objects of the invention, I have provided the improved details of construction, the preferred forms of which are illustrated in the accompanying drawing, wherein—

Figure 1 is a perspective view of a display stand embodying the present invention.

Figure 2 is a cross sectional, detail, showing the glass panel support and attaching clips as clamped thereto.

Figure 3 is a sectional view taken on the line 3—3 in Figure 2.

Figure 4 is a perspective view of one of the clips.

Figure 5 is a perspective view of the same, showing the clamp screw mounted thereon.

Figure 6 is a plan view of one of the attaching clips as applied.

Figure 7 is a cross section taken on the line 7—7 in Figure 6.

Referring more in detail to the drawings—

In one of its preferred forms of construction, the display stand consists of opposite end frames on which one or more glass shelves, or panels, 1, are supported. Each frame consists of a pair of spaced, upright leg portions 2 which may be provided with laterally turned feet 3 at their lower ends, through which anchor screws, or the like, may be extended if such are needed or desired. Extended between the leg portions of the frames, are horizontal cross bars 4 on which the shelves or panels 1 are supported. Preferably, these frames and also the cross bars are made from flat strips of metal, as shown, but it is to be understood that they may be round, square, or of any other cross sectional shape.

In order that the shelves may be held secure on the cross bars and also in order that they may be used as the means for joining the opposite end frames to thereby provide a rigid and substantial structure without the necessity of using cross pieces, I have provided the attaching clips 5 and 5', as illustrated best in Figures 5, 6 and 7. These clips 5 and 5' are applied to the opposite edges of the shelves for the purpose of securing the shelves rigidly to the frames. Each of the clips consists of a flat piece of metal which has portions thereof underlying the cross bars 4 and with hook portions engaging the edges of the panels. The clip 5, as shown in Figures 2 and 6, consists of a flat plate, of metal, arranged with a central depression 5^a for receiving therein a cross bar 4 to which it is applied, and at opposite sides of the depression, the plate flatly engages with the under side of the shelf or panel. At its outer edge, the plate is provided with spaced apart, upturned hooks 5^b adapted to engage over the edge of the shelf, while the edge 5^c of the plate between the hook portions is adapted

to abut against the adjacent vertical leg, or support, 2, as is shown clearly in Figure 2. The clip 5', which is applied to the opposite edge of the shelf, is of substantially the same construction as the clip 5, except that the hook portions thereof may, if desired, be extended somewhat and a lug 6 is welded, or otherwise secured, to the under side of the plate, and a clamp screw 8 is threaded through the lug for clamping engagement with the adjacent leg, 2, of the end frame.

In assembling the parts, the end frames are first placed in upright position, as in Figure 1; then, a glass shelf is extended between the frames for support at its ends on corresponding cross bars 4. Then the clips 5 are applied to one edge of the shelf by placing them beneath the cross bar with their hook portions engaging the edge of the shelf and the edge portion of the plate, between the hooks, abutting against the adjacent vertical leg 2. Then, the clips 5' are applied in a similar manner to the opposite edge of the shelf and the clamp screws are extended to engage with the leg 2 so as to clamp the hook portions against the plate edge. Tightening of the screw draws the hook portions of the clip tightly against the plate and thereby holds the plate secure between the clips 5 and 5'.

It will be noted also that when the parts are so connected, the shelves themselves serve as connecting parts between the end frames so that no cross braces are necessary in order to provide a rigid and substantial construction.

It will be noted that none of the parts are permanently joined and may be easily and quickly disassembled, simply by loosening the set screws so as to permit the clip 5' to be released. This permits removal of the shelves from the clips 5 and the release of the latter clips from the frames.

Having thus described my invention, what I claim as new therein and desire to secure by Letters Patent, is:

1. In a stand of the character described, a frame comprising spaced legs and a cross bar joining said legs, a shelf overlying the cross bar, a clamp plate underlying the cross bar and abutting against one of said legs and having hooked portions engaging the adjacent edge of the shelf, and another clamp plate underlying the cross bar at the other side of the frame and having hooked portions engaging the opposite edge of the shelf and a clamp screw mounted by the last named plate for engaging the adjacent frame leg to retain the hooks tightly engaged with the shelf.

2. In a display stand of the character described, comprising a frame having spaced legs and a cross bar joining the legs and a shelf overlying the cross bar, a clamp plate underlying the cross bar at one side of the

frame and abutting against one of said legs and having hooked portions formed thereon for engaging with the adjacent edge of the shelf, another clamp plate underlying the cross bar at the other side of the frame and having hooks formed thereon engaging the opposite edge of the shelf, a lug formed on the last named plate and a clamp screw threaded through the lug for engaging with the adjacent frame leg for the purpose set forth.

3. A device as in claim 2, wherein the clamp plates have depressions therein slidably receiving the cross bar and having spaced apart hooks for engaging the edges of the shelf at opposite sides of the frame legs.

Signed at Seattle, Washington, this 22nd day of November, 1928.

LAURITS A. NIELSEN.

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