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FURNITURE ASSEMBLY BRACKET

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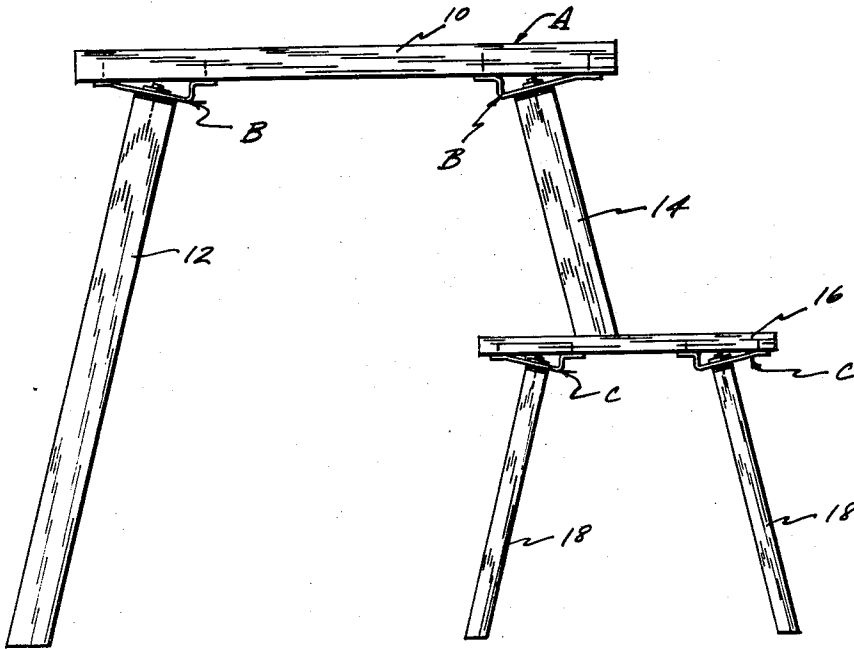


Fig. 1

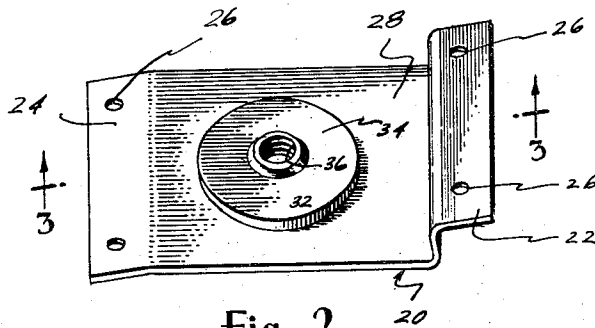


Fig. 2

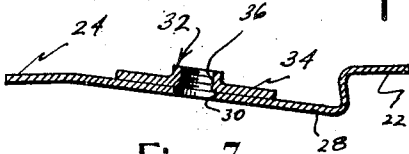


Fig. 3

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FURNITURE ASSEMBLY BRACKET

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3 Claims. (Cl. 248—300)

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My invention relates to furniture hardware, and relates particularly to a bracket for assembling a leg to an article of furniture.

Heretofore in the manufacture of forms, stands and racks used for the display of merchandise it has been customary to ship the display apparatus in a knocked-down state to the user, who then assembles the component parts of the display with nails, screws or glue. Frequently it happens that the user is unable to assemble the display without splitting or breaking a part thereof, and it is, therefore, desirable to provide a simplified construction which may be assembled more easily.

Therefore, an object of my invention is to provide a bracket whereby the component parts (particularly the legs) of a display may be easily assembled or disassembled without the need for special skill or tools.

Another object of my invention is to provide a bracket of the character described which may be applied to the assembly of display forms and also furniture and toys and which may also be used as a bracket to detachably support articles upon the walls and doors of a home.

Other objects of my invention are to provide an improved device of the character described, that is easily and economically produced, which is sturdy in construction, and which is highly effective in operation.

With the above and related objects in view, my invention consists in the details of construction and combination of parts, as will be more fully understood from the following description, when read in conjunction with the accompanying drawing in which:

Fig. 1 is a side elevation of a typical display stand embodying my invention.

Fig. 2 is a perspective view of my invention seen from above.

Fig. 3 is a sectional side view of my invention.

Referring now to the drawing, wherein similar reference characters refer to similar parts, I show a display stand, generally designated as A, which is used to support and display merchandise in a shop window. The stand comprises a flat rectangular top 10, which is supported at its corners by legs, the pair of longer legs being each designated 12, and the pair of shorter legs being each designated 14. These legs 12 and 14 are attached to the top 10 by means of my brackets B, which will be described presently in detail. Since Fig. 1 is a side view, only one leg 12 and one leg 14 are shown.

The shorter legs 14 rest upon a smaller table

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having a rectangular top 16 and four corner legs each designated as 18. These legs 18 are also fastened to their top 16 by smaller brackets C of my invention. The legs are supported at an angle so that they diverge from their points of attachment, to form a stable base. The brackets C are similar in shape to brackets B, but are of smaller size.

The bracket itself, illustrated in detail in Figs. 2 and 3 comprises a metal stamping 20 made from heavy gauge sheet metal or strap iron. This stamping 20 is offset at one end to form a mounting flange 22, and is bent at the other end to form a mounting flange 24. Both of the flanges have mounting holes 26 located therein, by means of which the bracket may be screwed or bolted to the table top or other supporting structure. The flat middle portion 28 of the bracket has a central clearance hole 30 through which the leg bolt passes. The flanges 22 and 24 are aligned in the same plane, which makes a small angle with the plane of the middle portion 28, so that the leg will be supported thereon at a diverging angle as previously described. A boss or socket 32 having a flange 34 and an internally threaded bore 36 is fastened (as by spotwelding) to the upper surface of the stamping, the bore 36 being coaxial with the clearance hole 30.

In the manufacture of a display rack or window decoration form, the bracket is screwed or nailed to the supporting structure (such as a table top) and a bolt having a mating thread is screwed or pressed into the component member to be attached thereto (such as a leg). The display is now forwarded to the user.

To assemble or disassemble the leg upon the table top, the user merely screws or unscrews the leg bolt into the bracket socket, until the leg is correctly positioned therein.

In addition to the application described above, the bracket may also be used to support any article where a detachable supporting feature is useful.

Although my invention has been described in considerable detail, such description is intended as being illustrative rather than limiting, since the invention may be variously embodied, and the scope of the invention is to be determined as claimed.

I claim as my invention:

1. A metal bracket having a flat, substantially rectangular middle portion, a first flange located at one end of said middle portion, and disposed at an angle thereto and offset therefrom, a sec-

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ond flange, said second flange located at the other end of said middle portion and inclined thereto, each flange having means for attachment to a flat surface, and an internally threaded socket centrally located upon said middle portion and solidly attached thereto.

2. My invention as described in claim 1, wherein said first and second flanges are aligned in the same plane, said plane making a small angle with the plane of said middle portion.

3. My invention as described in claim 1, including a clearance aperture in said middle portion, said aperture being coaxial with said socket and

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being of a diameter sufficient to pass a bolt threadable in said socket.

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REFERENCES CITED

The following references are of record in the file of this patent:

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