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M. DAUSKARDT

2,104,831

SHELF BRACKET

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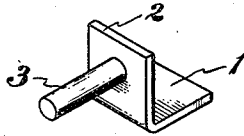


FIG. 1

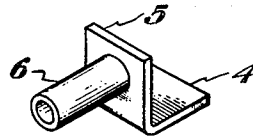


FIG. 2

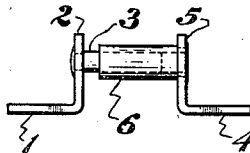


FIG. 3

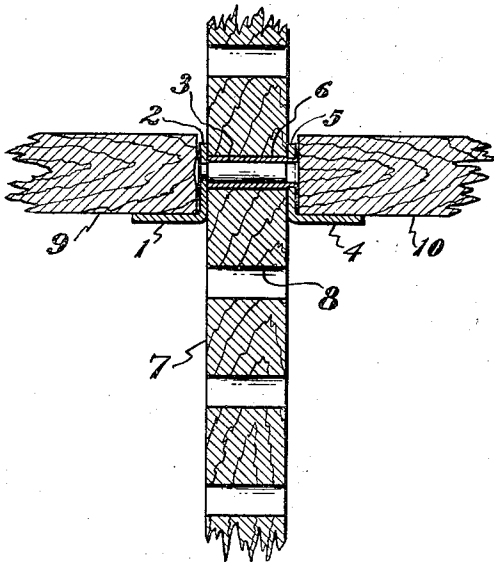


FIG. 5

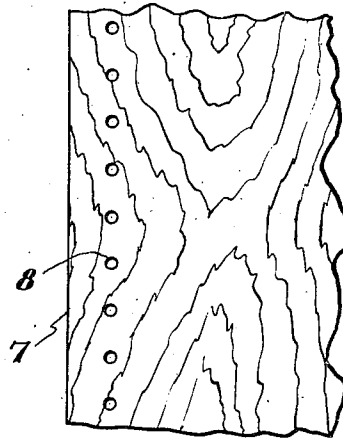


FIG. 4

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UNITED STATES PATENT OFFICE

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SHELF BRACKET

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Application October 13, 1936, Serial No. 105,398

5 Claims. (Cl. 248-239)

My invention pertains to a shelf bracket and more particularly to an improvement upon the type of small metallic bracket long in common use and having an extension adapted for selectable insertion through one of a vertical row of holes in the side walls and partitions of bookcases, whereby the elevation of any shelf to be supported upon a plurality of such brackets may be established or readjusted to suit the height of books above and below any particular shelf.

My employment in a large public library has caused me to become familiar with different forms of purchasable adjustable brackets of the character stated, most of which comprise an L shaped or T shaped bracket proper, usually of flat stock, together with an extension from near the top of the upright arm and which extension projects in the opposite direction with respect to the direction of projection of the horizontal arm. It is such extension, commonly round in cross-section, which is intended for snug fitting in one of the row of holes. However, the extensions of such brackets frequently are initially, or soon become, too loose in partition wall holes which they occupy, so that they become displaced or fall out. I have also acquired familiarity with the domestic patented art, including the disclosures of Rosenfield No. 124,631 of March 12, 1872, of Ostertag No. 598,742 of February 8, 1898, of Levene No. 1,343,327 of June 15, 1920 and of Dilg No. 1,393,012 of October 11, 1921.

The improvement supplied by my invention is the provision of an interlock between the extensions of two brackets, as exemplified, a telescopic connection therebetween; the interfitting between the extensions occupying the confines of a hole extending through the partition wall and the extensions being inserted from opposite sides of the partition wall to effect the interlock between two brackets projecting from opposite sides of the partition wall. The friction established between such extensions resists their dislodgment and has been practically established as a demonstrable improvement.

Adverting to the drawing:

Figure 1 is a perspective view of a male bracket.

Figure 2 is a similar view of a female bracket.

Figure 3 is a composite view showing the telescopic assembly.

Figure 4 is a broken side elevation of a partition wall.

Figure 5 is a broken sectional view showing a partition wall and two shelf ends which are supported upon my interlocking brackets.

The male bracket includes a horizontal portion 1 of flat metal stock and a vertical portion 2 which is likewise flat. The horizontal portion 1 is adapted to underlie the end margins of a bookshelf. Integral with or appropriately secured to the vertical portion 2 is an extension 3, preferably circular in cross-section, and projecting from the portion 2 in the opposite direction with respect to the direction of projection from the portion 2 of the portion 1.

The female bracket includes a horizontal portion 4 of flat metal stock and a vertical portion 5 which is likewise flat. The horizontal portion 4 is similarly adapted to underlie the end margin of another bookshelf.

Appropriately secured to the vertical portion 5 by welding or by spinning its end around the margin of an opening through the portion 5 is a tubular extension 6, which projects from the portion 5 in the opposite direction with respect to the direction of projection from the portion 5 of the portion 4. The tubular extension 6 is of substantially the same length as the extension 3 on the male member and of such interior size as to snugly accommodate it as a telescopic fit.

In Figure 4 is shown a portion of a partition wall 7 provided with a vertical row of holes 8, extending therethrough and in Figure 5 one complete assembly, after the manner of my invention, is illustrated to reveal a telescopic connection of the extensions 3 and 6 within the confines of one of the holes 8 which the hollow extension 6 snugly occupies, while the hollow extension 3 is itself snugly occupied by the extension 6 presented from the opposite side of the partition 7. Two shelf ends 9 and 10 are shown resting respectively upon the portions 1 and 4.

I claim:—

1. In a double shelf bracket, the combination of a pair of members adapted for slidable interfitting in an aperture of a common support, each of said members carrying a horizontally extending flange adapted to occupy a common plane.

2. In combination, a support provided with an opening and two shelf brackets each having an extension occupying said single opening and further each having a depending flange projecting one from one side and the other from the opposite side of said support.

3. The combination with a support provided with an opening, of an L-shaped bracket having its one arm appositioned to one end of said opening and provided with a hollow extension occupying said opening and another L-shaped bracket having its one arm appositioned to the opposite

end of said opening and provided with a smooth extension occupying and telescopically slidable in said hollow extension.

4. A pair of L-shaped book shelf brackets each comprising one arm adapted to contact around one end of a hole through a support and another arm adapted to project from said support and extensions on the support-contacting arms, said extensions being adapted for telescopic connection throughout the length of the hole in said support.

5. A pair of zig-zag shelf brackets each includ-

ing an L-shaped part of flat stock composing one end portion and the middle portion of the bracket and a round extension projecting from said middle portion substantially in parallelism with said flat end portion, the extension on one of said brackets being solid and the extension on the other of said brackets being hollow and opening through the middle portion of the latter bracket, said extensions being adapted for telescopically slidable adjustment coaxially with an opening through a partition member.

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