Dec. 2, 1941. G. ALLOWAY 2,264,498

SCAFFOLD BRACKET

Filed July 5, 1941

Fig. 1.

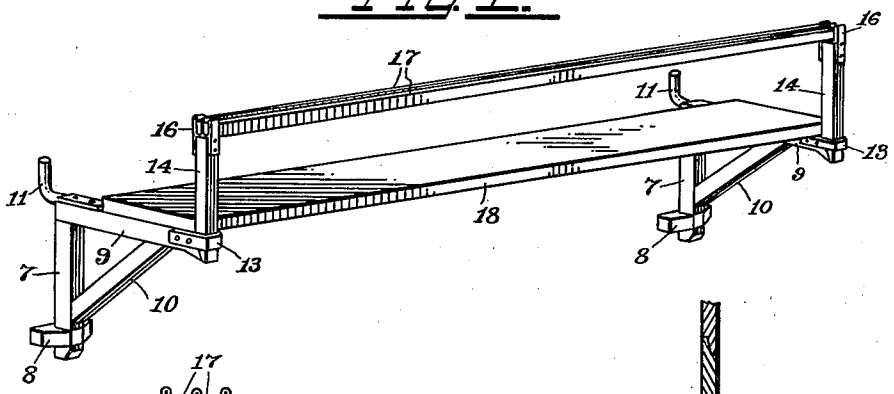


Fig. 2.

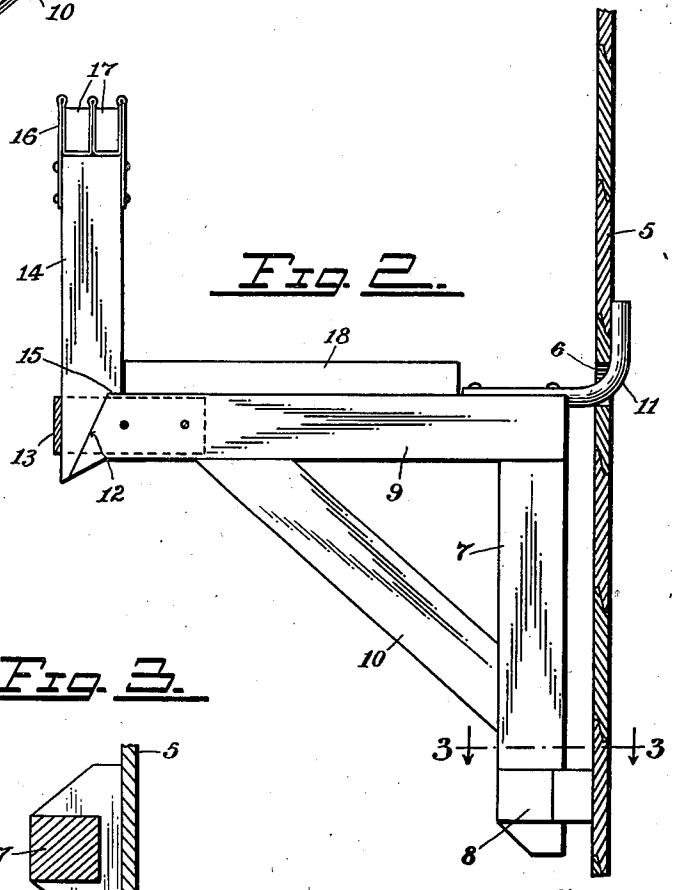


Fig. 3.

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SCAFFOLD BRACKET

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1 Claim. (Cl. 304—14)

My invention relates to scaffold brackets and the objects of the invention are to provide a simple, strong and efficient bracket made of wood reenforced by metal fixtures and provided with a detachable rail, together with a finger and block arrangement for securing and retaining the bracket to and in fixed spaced relation from the siding of a building.

In the drawing:

Figure 1 is a view in perspective showing a complete scaffold equipped with two of the brackets;

Fig. 2 is an enlarged view in side elevation showing one of the brackets secured to the side of a building; and

Fig. 3 is a detail view in horizontal section taken on a broken line 3—3 of Fig. 2.

Referring to the drawing wherein like reference numerals indicate like parts in the several views, the numeral 5 designates the wooden siding of a house consisting of boards, such as shiplap or the like, through one of which holes are bored as shown at 6 in Fig. 2 of the drawing, for the purpose of detachably securing the brackets to the side of the house as hereinafter set forth.

The bracket consists, first, of an upright or vertical member 7 which is made of wood and is of ample dimensions in cross-section to ensure sturdy construction when secured together with the other members of the bracket as will be understood. A wooden block 8 is secured to the lower end portion of this upright and projects inwardly from its inner vertical face for the purpose of bearing against the siding 5 and thus retaining the lower end of the upright in spaced relation from the side of a building when the bracket is connected thereto.

A horizontal member 9 has its inner end fixed to the top of the upright member 7. This horizontal member is made of wood that is of equal cross-sectional dimensions to those of the vertical member and may be secured thereto by any strong and desirable means. A slanting wooden member 10 has its lower end secured to the vertical member 7 and its upper end secured to the horizontal member 9 for the purpose of bracing the horizontal member and retaining said member in fixed right angular relation.

A curved metal finger or hook 11 has its horizontal portion fixed to the inner end of the horizontal bracket member 9. This finger is curved or bent in such manner that its vertical or upright portion projects inwardly from the inner end of the horizontal member and the inner face of the vertical member 7 a distance corresponding to the inward projection of the block 8. Thus, when said finger is projected through the hole 6 of the siding 5 and the block 8 rests against said siding, the vertical member will be held in a truly vertical position that is parallel and spaced apart from the siding.

The outer end portion of the horizontal member 9 is extended down and beveled or slanted outwardly as shown at 12 in Fig. 2. A right angular metal band 13 has its parallel sides fixed to the sides of the end portion of the horizontal member in such manner as to leave a socket space between its outer end and the beveled end 12 of the horizontal bracket member. The lower end of a rail stanchion 14 is likewise beveled to snugly fit into the socket space and may be scarfed as shown at 15 in Fig. 2. Thus, when its lower end is inserted into the socket space provided by the metal band 13, the stanchion 14 will be detachably supported in a vertical position.

Secured to the top end of the stanchion 14 is a metal socket member 16 for supporting a railing 17. This socket member is preferably made of spring metal bent upon itself at its top portions in such manner as to form spring clamps whereby a rail or railings, when pressed into same, are yieldingly and detachably held in position. While this socket member is shown in a form for holding two railings, it may be made to hold only one rail as desired. The railing is important for the reason that building regulations require all elevated scaffolds to have an outside rail.

As shown in Fig. 1 of the drawing, these brackets are generally used in pairs. Spaced apart holes are bored through the siding of a building at equal elevations and the brackets are installed by inserting the finger 11 of each bracket into the respective holes as clearly shown in Fig. 2. The ends of a board or plank 18 are then placed upon the horizontal members 9 of the respective brackets for the support of workmen and materials. Brackets made in accordance with the foregoing description are simple, sturdy and inexpensive, and are preferable to the metal folding type of brackets whose pivotal connections are subject to breakage and are a constant source of danger to workmen.

I claim:

An article of manufacture comprising a scaffold bracket consisting of an upright member made of wood and rectangular in cross-section, a block fixed to the lower end portion of said upright member and projecting inwardly therefrom, a horizontal member made of wood that is rectangular in cross-section and having its inner end

fixed to the top of the upright member and its outer end portion extended downward and beveled outwardly, a slanting brace member having its lower end fixed to the upright member and its upper end fixed to said horizontal member, a curved metal finger having a horizontal portion fixed to the inner end of the horizontal bracket member and an upright portion projecting inwardly from the inner face of the upright bracket member in conformity with the inward projection of the block fixed thereto, an angular metal band fixed to the outer end portion of the horizontal bracket member and forming a socket space with the outer beveled end thereof, an upright stanchion having a beveled lower end detachably fitted into said socket space, and a spring metal socket member fixed to the top of said stanchion and adapted to detachably receive a railing.

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