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SCAFFOLD BRACKET

Filed June 23, 1939

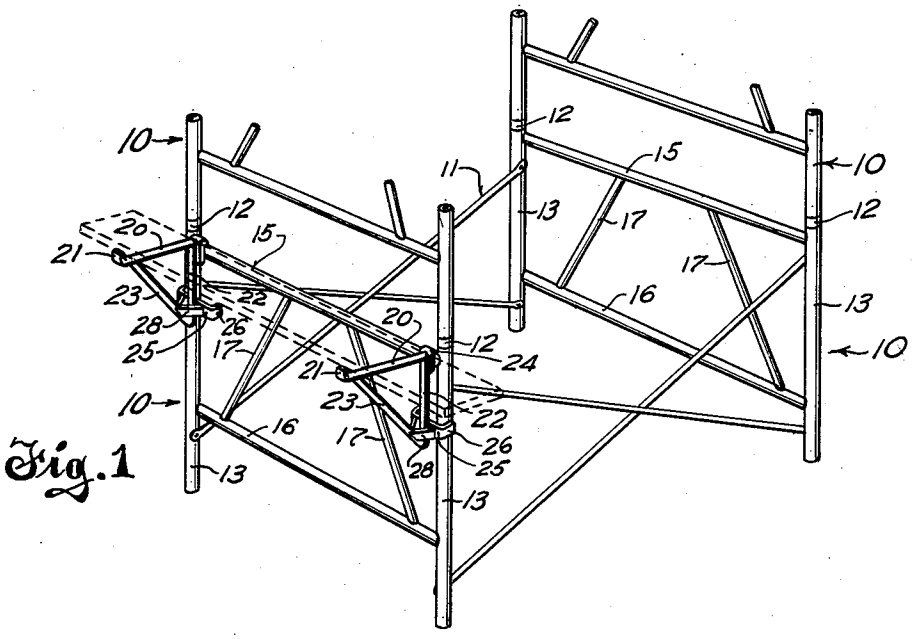


Fig. 1

Fig. 2

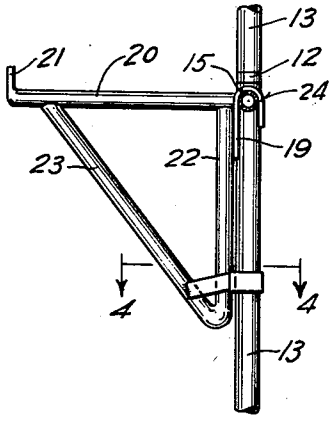


Fig. 3

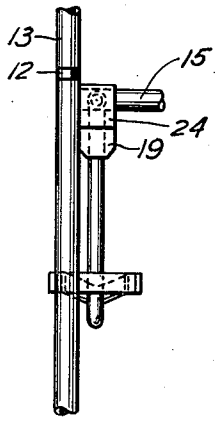
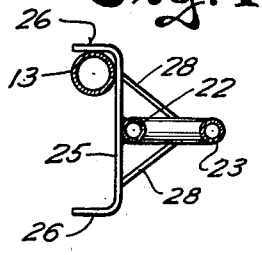


Fig. 4



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SCAFFOLD BRACKET

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2 Claims. (Cl. 248—235)

This invention relates to brackets, and more particularly to a bracket adapted for use on scaffolds.

In order to make a scaffold rigid it is the usual practice to have a rectangular framework with members in a vertical plane on all four sides. Such construction, while satisfactory to workers on top of the scaffold, is extremely awkward to a person working below the top of the scaffold.

One object of the present invention is, therefore, to devise a structure which will support scaffold planking on the exterior of a rectangular tower scaffold to enable workers to work free of encumbrances such as the scaffold bracing.

Another object of the present invention is to produce a removable bracket for use on the ends of a sectional scaffold which may be applied on either side thereof.

A further object is to provide a bracket which will support planking securely on the exterior of the end of the scaffold.

A further object is to produce a bracket which may be attached to a scaffold at various elevations thereon.

Further objects are to provide a bracket which will be strong and rigid, which will be economical to manufacture and which may be readily applied and removed.

Other objects will be apparent from the following description.

According to the present invention a bracket is provided with an attaching gusset bent back to form a hook engageable over a horizontal scaffold member, said bracket being provided with a lower support extended on both sides of the bracket to engage a post which may be offset on either side of the bracket.

In the drawing:

Fig. 1 is a prospective view of a sectional scaffold showing the bracket forming the subject matter of the present invention attached thereto;

Fig. 2 is a side elevational view of the bracket applied to the scaffold;

Fig. 3 is a rear view of the bracket as seen from the right in Fig. 2; and

Fig. 4 is a cross-section on the line 4—4 of Fig. 2.

Referring to the drawing in which like parts are designated by like numerals throughout the several views, the scaffold comprises a pair of end frames 10—10 held in spaced vertical position by a pair of cross braces 11—11. The end frames and cross braces form a unit upon which other units may be superposed with coupling pins 12 joining the adjacent ends of the end frames.

Each end frame comprises a pair of vertical posts 13—13 joined adjacent the upper portions thereof by a horizontal support 15 and joined intermediate the ends by a second horizontal support 16 with suitable shear braces 17—17 connecting the supports to form a rigid structure. All parts of the scaffold end frame are preferably welded together to form an integral unit.

The bracket forming the subject matter of the present invention is shown applied to the scaffold, in Fig. 1, and is shown in detail in Figs. 2, 3 and 4.

Referring particularly to Figs. 2, 3 and 4 the bracket is made with a horizontal supporting member 20 which has a turned up toe 21 on the outer end and is joined to a vertical member and diagonal member 22 and 23, respectively, to form a triangular bracket. The upper end of the bracket is provided with a plate 19 which is welded to the vertical member 22 and is bent back to form a hook 24 engageable over the horizontal support 15 or 16.

As will be seen in Figs. 1, 3 and 4, when the hook is engaged over the horizontal support 15 or 16 the plane of the bracket is spaced from the post 13. A guiding support 25 is therefore provided at the lower end of the bracket and is extended on both sides of the bracket and provided with an enveloping guard 26 on each end thereof. The guiding support envelopes the post 13 between the guards 26. Suitable braces 28 may be welded to the diagonal 23 of the bracket and to the support 25 to stiffen the support 25 and prevent failure of the bracket.

It will be noted that by having the guiding support extend outwardly on both sides of the bracket the same bracket can be used interchangeably on either side of the scaffold end frame.

Having thus described the invention it will be noted that it is readily susceptible to changes and modifications and it is not therefore desired to limit the invention to the precise form herein shown and described but only by the scope of the appended claims.

We claim:

1. In a scaffold including a vertical post and a horizontal support fixed to said post at one end thereof, a bracket comprising, a frame, a plate attached to said frame and extending on both sides thereof, a hooked end on said plate engageable over said support to support said frame in a plane substantially perpendicular to said support and spaced from said post, and a guiding support attached to the lower end of said frame and extending to one side thereof

to engage the post and support the lower end of said frame.

2. In a scaffold including a pair of spaced vertical posts and a horizontal support joining said posts and fixed thereto, a bracket comprising, a frame, a plate attached to said frame, a hooked end formed on said plate engageable over said horizontal support to support the frame therefrom in a plane at right angles thereto and spaced from one of said posts, and a guiding support attached to the lower end of said frame and extending on both sides of said frame to engage an offset post on either side of said frame to support the lower end of the frame.

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