April 2, 1940. L. MURDOCK 2,195,579

SCAFFOLD BRACKET

Filed May 29, 1939 2 Sheets-Sheet 1

Fig. 1.

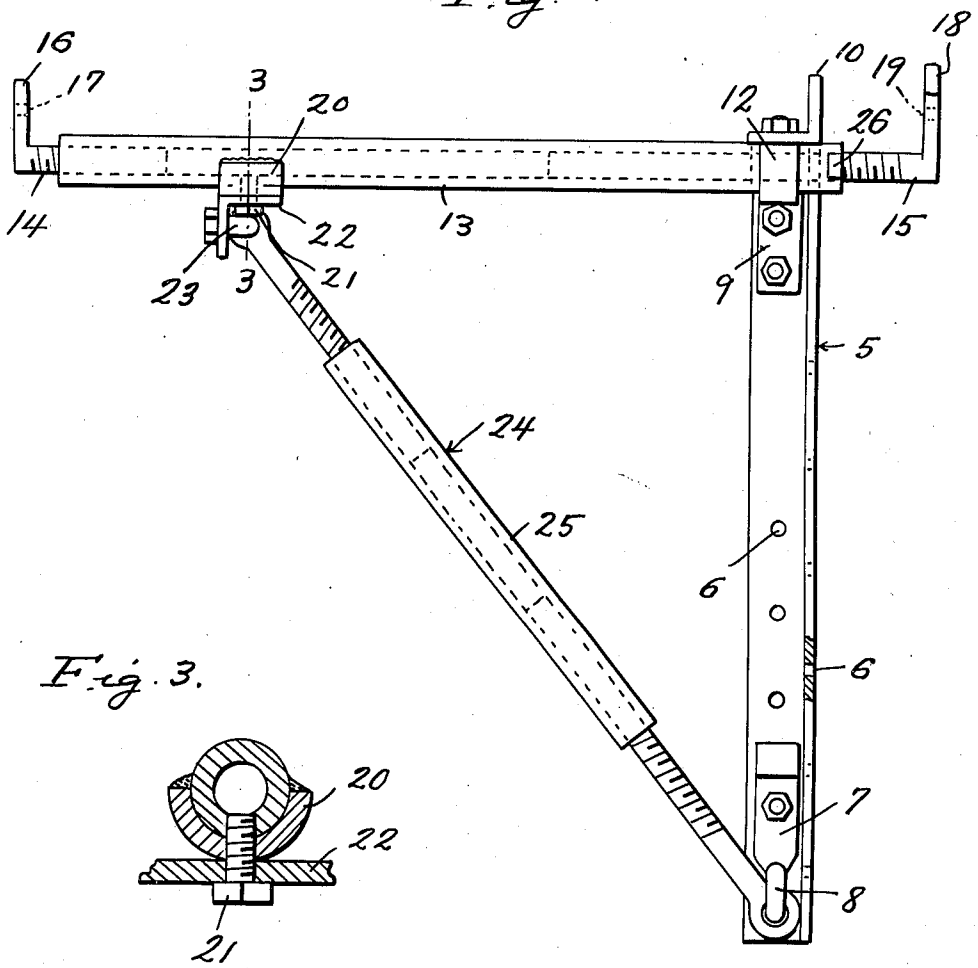


Fig. 3.

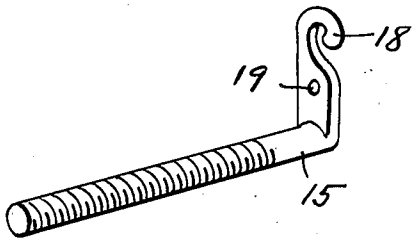


Fig. 4.

Inventor

Lee Murdock

By Clarence A. O'Brien and Hyman Berman

Attorneys

April 2, 1940. L. MURDOCK 2,195,579

SCAFFOLD BRACKET

Filed May 29, 1939 2 Sheets-Sheet 2

Fig. 2.

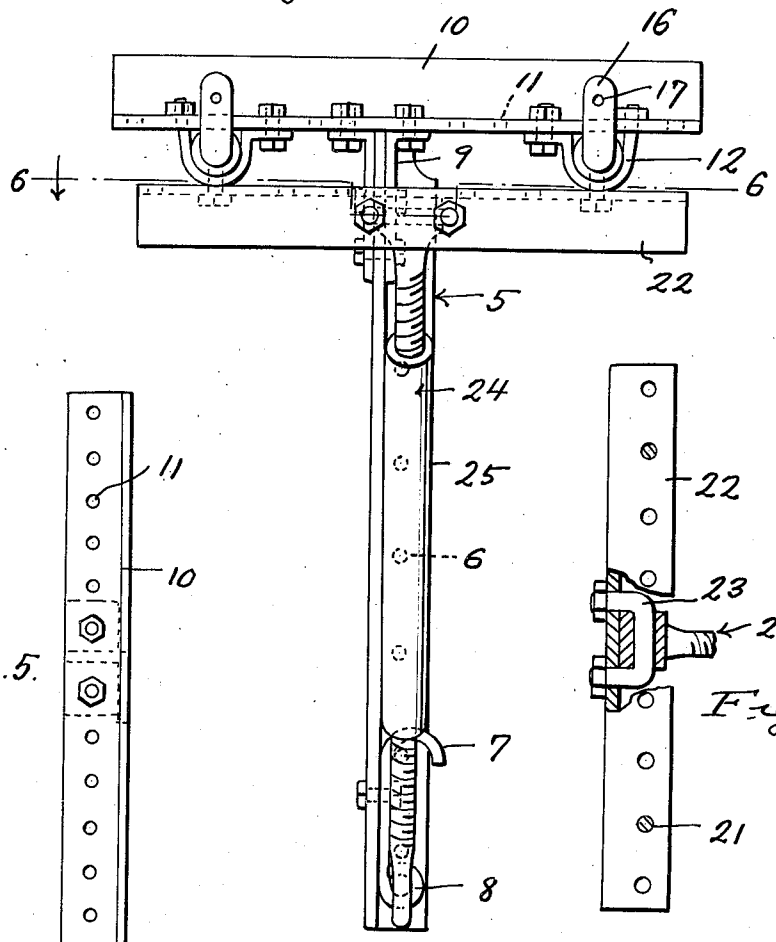


Fig. 5.

Fig. 6.

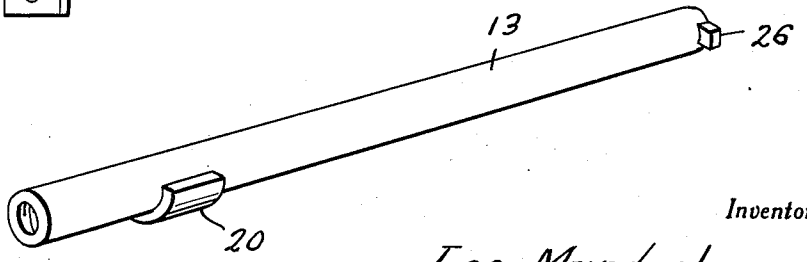


Fig. 7.

Inventor

Lee Murdock

By Clarence A. O'Brien and Hyman Berman

Attorneys

Patented Apr. 2, 1940 2,195,579

UNITED STATES PATENT OFFICE

2,195,579

SCAFFOLD BRACKET

Lee Murdock, Waynesburg, Pa.

Application May 29, 1939, Serial No. 276,483

4 Claims. (Cl. 248—242)

This invention relates to scaffold brackets, and has for the primary object the provision of a device of this character which is extremely simple in construction, durable and economical to manufacture and may be easily and quickly adjusted to secure a scaffold board or plank thereon and which may be readily hung onto a supporting structure and secured firmly thereto if necessary.

With these and other objects in view, the invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which

In the drawings:

Figure 1 is a side elevation, partly in section, illustrating a scaffold bracket constructed in accordance with my invention.

Figure 2 is a front elevation illustrating the bracket.

Figure 3 is a sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a perspective view illustrating one of the suspension hooks.

Figure 5 is a top plan view illustrating a cross member or head of the bracket.

Figure 6 is a sectional view taken on the line 6—6 of Figure 2.

Figure 7 is a perspective view illustrating one of the scaffold board or plank supporting members.

Referring in detail to the drawings, the numeral 5 indicates a vertically arranged leg member constructed from angle iron and the walls thereof are provided with spaced openings 6. The openings of one of the walls of the leg are for the purpose of receiving fasteners such as nails or the like when desiring to fix the leg onto a supporting structure while the openings in the other wall of the leg are for the purpose of permitting a suspension hook 7 to be adjusted at various places along the leg and which includes in its construction an eye 8.

L-shaped brackets 9 are bolted or otherwise secured to one wall of the leg member adjacent the upper end of the latter and are bolted or otherwise secured on a cross member or head 10 constructed of angle iron with one wall thereof disposed vertically and the other wall disposed horizontally and provided with a series of openings 11 to permit U clamps 12 to be adjustably secured thereon. The U clamps secure to the cross member or head 10 scaffold plank or board supporting members 13 extending at right angles to said cross member or head and each of tubular formation and each internally screw threaded. Threaded into the ends of the members 13 are front and rear screw threaded stems 14 and 15. The stems 14 have upstanding ends 16 integral therewith and provided with openings 17. The stems 15 have formed thereon upstanding hook-shaped members 18 also provided with openings 19. The upstanding ends 16 coact with the vertical wall of the cross member or head 10 in clamping on the members 13 a scaffold plank or board and nails or like fasteners may be passed through the openings 17 and driven into the plank or board if it is desired to fix the board or plank onto the members 13. The hook-shaped elements 18 are adapted to engage over a supporting structure and coact with the hook member 7 in supporting the device on the supporting structure.

Nails or like fasteners may extend through the openings 19 and be driven into the supporting structure if it is desired to fix the device onto the supporting structure.

Semi-cylindrical members 20 are welded or otherwise secured on the members 13 adjacent the ends in which the stems 14 are threaded and are provided with screw threaded openings, the members 13 also being provided with screw threaded openings aligning with the openings of the members 20 to receive stud bolts 21 for securing on the members 13 a cross member or head 22 of angle iron construction. A U clamp 23 is connected to the cross head or member 22 and is adapted to extend through an eye formed in one end of a turn buckle type brace 24 while the other end eye thereof is connected with the eye 8 of the hook 7. The turn buckle type brace 24 includes the screw threaded stems on which the eyes are formed and which are threaded in opposite directions to be threaded into a connecting sleeve 25. The purpose of the brace being adjustable as to length is to permit adjusting of the members 13 while under load.

A bracket of the character shown in the drawings and heretofore described in detail may be readily adapted on poles, upright posts, scaffold jacks and the like by simply bringing the hook elements 7 and 18 into engagement with said structure, and will efficiently support a scaffold board or plank on the members 13 thereof.

The members 13 have stops 26 formed thereon to prevent the U clamps 12 from slipping on

the screw threads of the stems 15 when adjustments are being made on the device.

It is believed that the foregoing description, when taken in connection with the drawings will fully set forth the construction and advantages of this invention to those skilled in the art to which such a device relates, so that further detailed description will not be required.

What I claim is:

1. A scaffold bracket comprising cross heads, scaffold plank supporting members secured on said cross heads and including means to cooperate with one of the heads in gripping a scaffold plank arranged on said members, a leg member secured to one of the cross heads, support attaching means carried by the leg and said plank supporting members, and brace means connecting the leg to the other cross head.

2. A scaffold bracket comprising cross heads, scaffold plank supporting members engaging said cross heads, means securing said members on the cross heads, stems threaded on opposite ends of said members and certain of said stems including hook-shaped upstanding portions and the other stems including upstanding portions to coact with one of the cross heads in securing a scaffold plank on said members, a leg connected to one of the cross members, a brace means between the leg and the other cross head, and a hook carried by the leg to coact with the hook-shaped portions of certain of said stems in suspending the leg and the supporting members on a supporting structure.

3. A scaffold bracket comprising cross heads of angle iron construction, tubular members engaging said cross heads, U clamps connecting said members to one of the cross heads, stud bolts securing the other cross head to said members, stems threaded in opposite ends of said members and having upturned ends with the upturned ends of certain of said stems shaped to form hooks, a leg of angle iron construction secured on one of the cross heads and having openings to receive fasteners for securing the leg to a support, a hook adjustably mounted on the leg to coact with the first-named hooks in suspending the leg and the supporting members on a supporting structure, and an adjustable brace connecting the leg with the other cross head.

4. A scaffold bracket comprising cross heads of angle iron construction, tubular members engaging said cross heads, U clamps connecting said members to one of the cross heads, stud bolts securing the other cross head to said members, stems threaded in opposite ends of said members and having upturned ends with the upturned ends of certain of said stems shaped to form hooks, a leg of angle iron construction secured on one of the cross heads and having openings to receive fasteners for securing the leg to a support, a hook adjustably mounted on the leg to coact with the first-named hooks in suspending the leg and the supporting members on a supporting structure, and a turn buckle type brace pivotally connected to the leg and to the other cross head.

LEE MURDOCK.