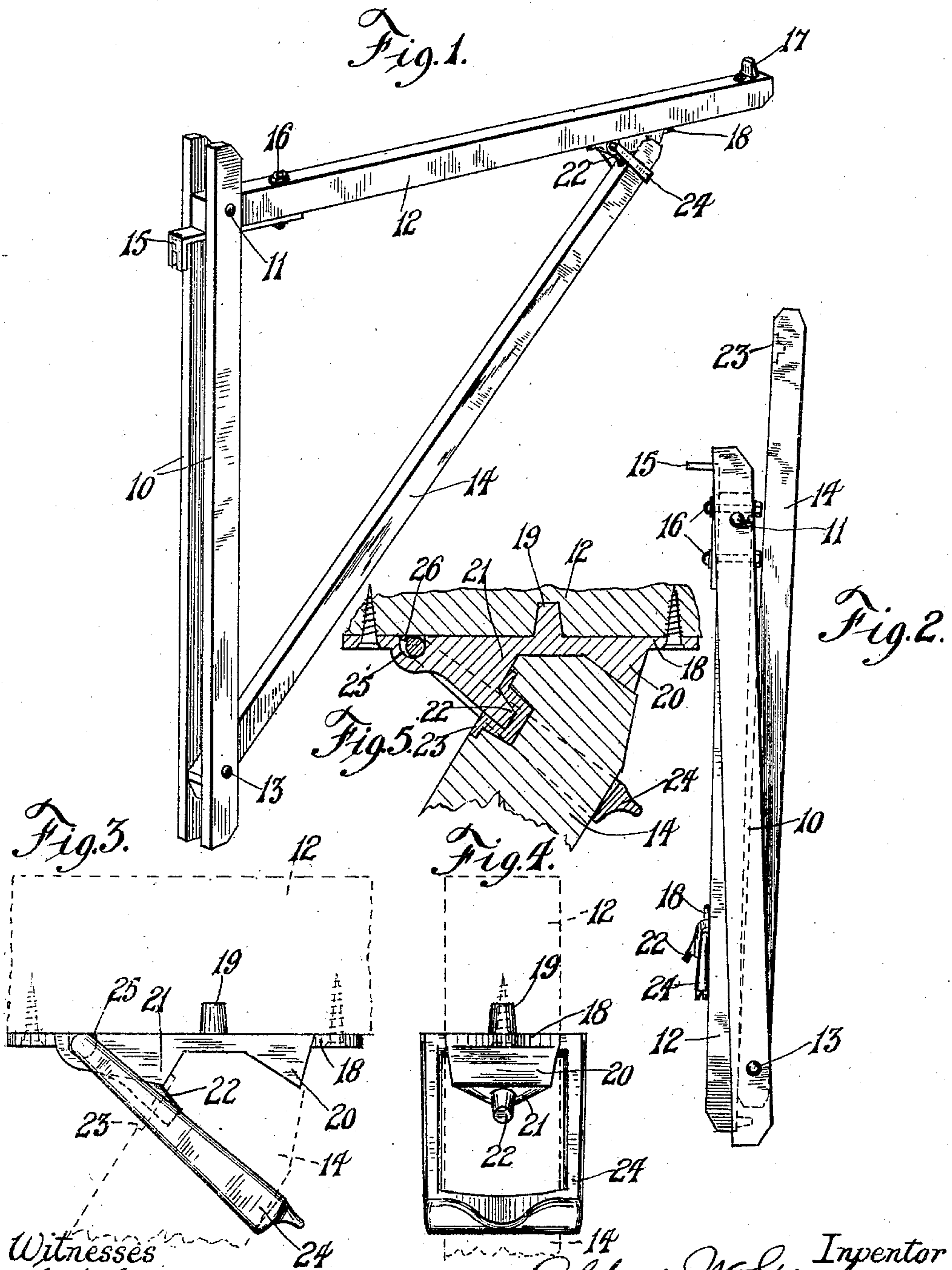


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SCAFFOLD BRACKET.  
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Patented Nov. 16, 1909.



Witnesses  
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# UNITED STATES PATENT OFFICE.

ALBERT W. GUTHAT, OF MILWAUKEE, WISCONSIN.

## SCAFFOLD-BRACKET.

940,459.

Specification of Letters Patent.

Patented Nov. 16, 1909.

Application filed March 22, 1909. Serial No. 484,907.

*To all whom it may concern:*

Be it known that I, ALBERT W. GUTHAT, residing in Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Scaffold-Brackets, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

10 This invention has for its object to provide a scaffold bracket which may be folded into small compass to be convenient for carrying from place to place and which when opened out for use will be strong and  
15 durable.

Another object of the invention is to provide such a scaffold bracket which may be quickly collapsed without the necessity for removing pins or bolts or the like.

20 With the above and other objects in view the invention consists in the scaffold bracket herein claimed, its parts and combinations of parts and all equivalents.

Referring to the accompanying drawings in which like characters of reference indicate the same parts in the different views; Figure 1 is a perspective view of a scaffold bracket constructed in accordance with this invention; Fig. 2 is a view thereof in its  
25 folded condition; Fig. 3 is a detail view of the stirrup and knee connection for the arm and brace; Fig. 4 is an end view thereof; and, Fig. 5 is a sectional view thereof.

In these drawings 10 indicates a pair of  
35 parallel bars which have pivotally mounted between them on a bolt 11 near their upper ends a swinging arm 12 and likewise have pivotally mounted between them on a bolt 13 near their lower ends a swinging brace  
40 14. The pivoted end of arm 12 is provided with a hook 15 to engage a suitable support on a building or other structure on which the bracket is to be used and said hook is slotted at its end to receive the head of a lag  
45 bolt or the like when it is not convenient to engage the hook with a cross piece. The hook member 15 is firmly secured to the arm 12 by a pair of bolts 16. The outer end of the arm 12 is provided with an upstanding  
50 lug 17 to prevent the scaffold board slipping off of the end of the bracket.

The detachable connection between the brace 14 and the arm 12 comprises a knee member 18 which is preferably in the form  
55 of a casting secured by screws or other substantial means to the under side of the arm

12, there preferably being a lug 19 on the upper surface of the casting to enter into a corresponding opening in the arm 12 and assist in preventing the knee member from  
60 sliding out of its position on the arm. The knee member has a beveled projection 20 which forms a seat with the plate portion of the knee member to receive the beveled end of the brace 14, there being a second projec-  
65 tion 21 against which the inner face of the brace fits when seated on the knee member. A stud 22 projects in an inclined position from the projection 21 so as to enter a countersunk socket plate 23 on the inner face of  
70 the brace 14 and a swinging stirrup member 24 is pivotally mounted in a groove 25 formed in the upper surface of the knee member to swing from a position against the plate of the knee member where it per-  
75 mits the brace to enter its seat to a position as shown in Fig. 3, where it stands approximately in alinement with the stud 22 and confines the end of the brace to a tight bearing position against its seat to prevent its  
80 becoming accidentally disengaged therefrom. The stirrup 24 is in the form of a loop with its pivotal end extending across a groove 25 in the top of the knee plate and has an offset or lug projection 26 to engage  
85 with the under side of arm 12 which closes the groove and forms a stop for limiting the downward swing of the stirrup to its binding position. This assures the stirrup being in a convenient position when it is de-  
90 sired to set up the bracket.

By means of this invention a scaffold bracket is provided which may be quickly and easily set up from a folded condition, it being only necessary to swing the arm 12  
95 over to the position at approximately right angles to the pair of bars 10 and then swing the brace 14 into its seat on the knee plate while the stirrup is being held against the knee plate, and then permit the stirrup to  
100 drop into its binding connection where it holds the brace against disengagement and the bracket thus set up may be quickly and easily connected by means of the hook 15 in position for use, either by engaging the edge  
105 of a board or by engaging the head of a lag screw or the like provided for the purpose in any suitable support.

This scaffold bracket in use is strong and durable, the knee plate being effectively an-  
110 chored to the arm 12 to prevent its losing its position thereon and the brace being effec-



tively locked to the knee plate against accidental disengagement. The folding of this scaffold bracket does not require the removal of pins or bolts, but the brace may be  
 5 freely withdrawn from its connection with the knee plate by merely swinging the stirrup to its upper position and drawing the brace from the stud 22.

What I claim as my invention and desire  
 10 to secure by Letters Patent is:

1. A scaffold bracket, comprising an upright member, and arm and a brace connected thereto, a knee plate on the arm forming a seat for the end of the brace, a stud on the  
 15 knee plate entering an opening in the brace, and a swinging stirrup on the knee plate to engage the end of the brace and hold it against its seat and on the stud.

2. A scaffold bracket, comprising a pair  
 20 of parallel bars, an arm member pivotally mounted between the bars at one end, a brace member pivotally mounted between the bars at the other end, a knee plate secured to the arm and having a projection  
 25 forming a seat for the end of the brace, a stud projecting from the knee plate to enter an opening in the end of the brace, and a

stirrup pivotally mounted on the knee plate to engage the end of the brace and hold it against its seat and on the stud. 30

3. A scaffold bracket, comprising a pair  
 of bars, an arm pivotally connected therebetween at one end, a brace pivotally connected between the bars at the other end, a  
 35 slotted hook on the arm for engaging a support, a knee plate mounted on the arm having a pair of projections to form a seat between them for the end of the brace, a stud on the knee plate to fit in a socket near the  
 40 end of the brace, a lug on the knee plate countersunk in the arm to anchor the knee plate on the arm, a stirrup pivotally fitting in a groove on the top of the knee plate to engage the end of the brace and hold it  
 45 against the seat and on the stud, and a lug on the stirrup to engage the arm and limit the degree of swing of the stirrup.

In testimony whereof, I affix my signature, in presence of two witnesses.

ALBERT W. GUTHAT.

Witnesses:

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 ANNA F. SCHMIDTBAUER.