

(No Model.)

W. H. HIGGINS.
BRACKET.

No. 501,618.

Patented July 18, 1893.

Fig. 1.

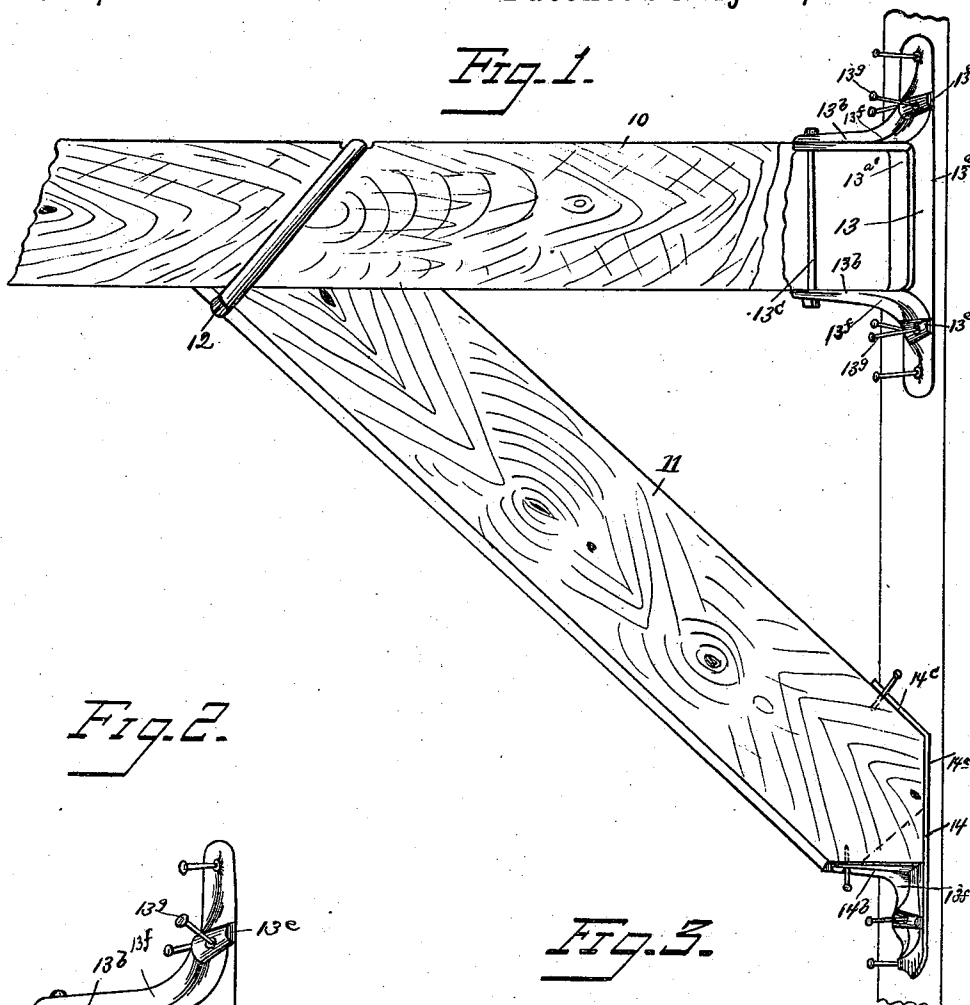


Fig. 2.

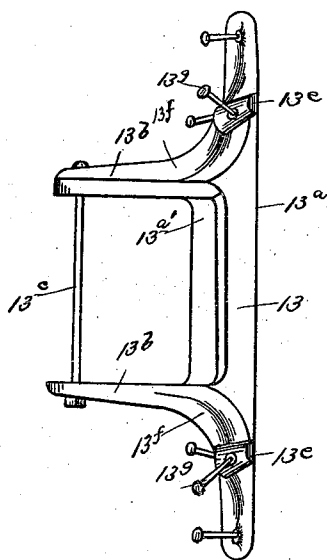
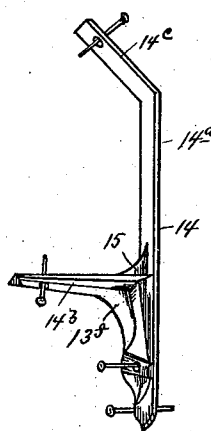


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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BRACKET.

SPECIFICATION forming part of Letters Patent No. 501,618, dated July 18, 1893.

Application filed December 30, 1892. Serial No. 456,745. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. HIGGINS, a citizen of the United States, residing at Forest City, in the county of Susquehanna and State of Pennsylvania, have invented new and useful Improvements in Brackets, of which the following is a specification.

This invention relates generally to brackets, and particularly to that class thereof known as scaffold brackets, the object of my invention being to provide a device of this character that can be quickly and easily set up or taken apart and also one that is thoroughly safe and reliable.

My invention consists in the details of construction, of the various elements, and their novel combination; whereby the above mentioned objects are accomplished.

In the drawings accompanying and forming part of this specification, Figure 1, is a side view of my improved bracket, set up ready for use. Fig. 2, is a detail view of the bracket socket, and Fig. 3 is a similar view of the brace socket or rest.

In carrying out my invention I employ a bracket arm 10, a brace arm, 11, and a link 12, adapted to connect the said bracket and brace arms as shown, the bracket arm being recessed to receive the link and permit it to lie flush with said arms. The inner end of the bracket arm is secured in and supported by a bracket socket or support 13, said bracket socket consisting of a flat back plate 13^a, adapted to be secured to the side of a building, and the parallel forwardly projecting supporting arms 13^b integral with plate 13^a between which the rear or inner end of the bracket arm is supported. The back plate 13^a is formed with a socket or recess 13^{a'} in which fits the rear end of the bracket arm, and in order to secure the said arm to the socket I employ a bolt 13^c which passes through the arms 13^b and the bracket arm. The socket plate 13^a is formed with bosses 13^e through which are passed the securing nails 13^f. By means of these bosses I am enabled to leave the heads of the nails projecting; beneath which a claw hammer may be readily inserted when it is desired to remove the socket from the side of the building. Bracing webs 13^f, connect the arms and plate

and insure the rigidity of said arms. The lower end of the brace arm rests upon and is secured to a brace socket or rest 14, which consists of the back plate 14^a, the horizontal supporting arm 14^b and the forwardly inclined holding plate or strap 14^c, arranged at the top of the plate 14^a and inclining forwardly as shown. The plate 14^a has bosses the same as the plate 13^a and nails are also passed through the supporting arm and holding plate into the brace arm in the same manner as before described. The nails in each case are driven at oblique angles to each other thereby holding the end of the brace arm securely between the supporting arm and holding plate. A centering flange 15 is formed upon the upper face of the supporting arm of the brace rest, which enters a slot produced in the end of the brace arm, and prevents any lateral movement of the brace upon the said rest.

In operation the bracket arms are secured in the bracket socket, and said socket is then nailed to the building. The brace rest is then secured at the proper place, the brace shaped, and secured to said rest and then connected with the bracket arm by means of the link which is sunken in the horizontal arm. To take the bracket down these operations are simply reversed.

The construction and operations of my improved device having been fully described, the advantages are apparent to every one skilled in the art, and a recital is therefore unnecessary.

Having thus described my invention, what I claim is—

1. The combination with the bracket and brace arms and connecting link of the bracket socket having parallel horizontal arms, and the brace rest having the horizontal supporting arm and the inclined holding plate, substantially as shown and described.

2. The combination with the bracket and brace arms and connecting link of the bracket socket having the horizontal arms and a bolt passing through said arms and the bracket arm, all arranged substantially as shown and described.

3. The combination with the bracket and brace arms and connecting link, of the brace

rest having a horizontal arm and holding plate and the centering flange arranged substantially as shown and described.

4. The combination with the bracket and
5 brace arms of the bracket socket consisting of the back plate, and horizontal arms a bolt passing through the arms and the brace rest consisting of the back plate, horizontal rest arm, holding plate and centering flange, all
10 arranged substantially as shown and described.

5. As an improved article of manufacture, the herein described bracket socket or support consisting of the back plate, the horizon-

tal arms, and a bolt passing through the arms 15 all arranged substantially as shown and described.

6. As an improved article of manufacture, the herein described brace rest consisting of a back plate the horizontal rest arm, the in- 20 clined holding plate and the centering flange formed upon the rest arm, substantially as shown and described.

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Witnesses:

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