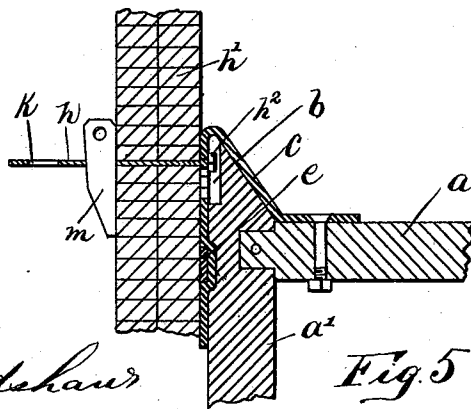
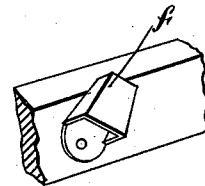
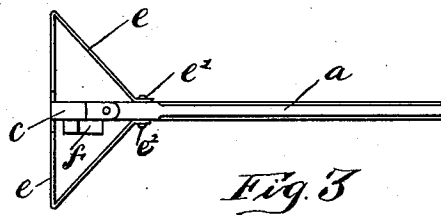
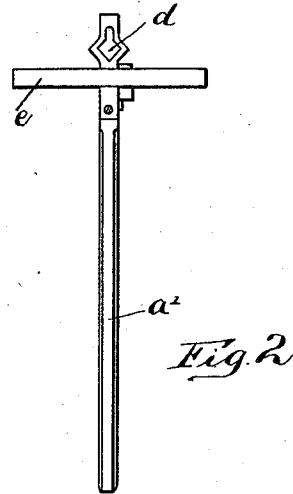
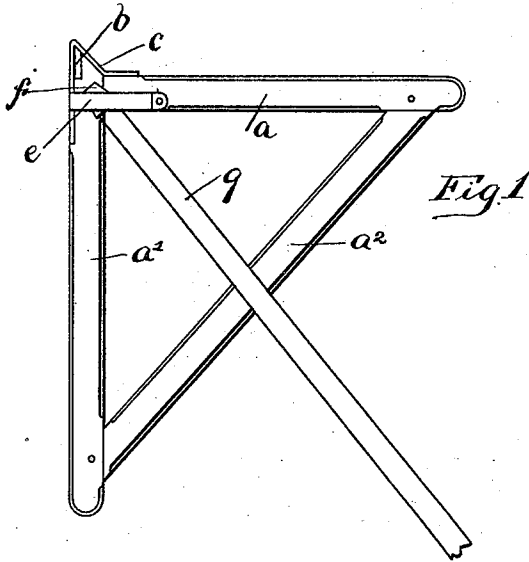


(No Model.)

C. V. HEETER.
SCAFFOLD BRACKET.

No. 548,313.

Patented Oct. 22, 1895.



Witnesses:

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SCAFFOLD-BRACKET.

SPECIFICATION forming part of Letters Patent No. 548,313, dated October 22, 1895.

Application filed July 21, 1894. Serial No. 518,181. (No model.)

To all whom it may concern:

Be it known that I, CLEMENT V. HEETER, a citizen of the United States, residing at Wengerlawn, in the county of Montgomery and State of Ohio, have invented a certain new and useful Improvement in Scaffold-Brackets, of which the following is a specification.

My invention relates to the improvement of scaffold-brackets; and the objects of my invention are to provide a bracket of this class of superior construction and arrangement of parts, to so construct the same as to provide for a safe and reliable connection with a wall of a building or other structure, to provide improved means for connecting the scaffold-bracket with brick walls, and to produce other improvements in details of construction, which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of one of my improved brackets. Fig. 2 is a rear view of the same. Fig. 3 is a plan view. Fig. 4 is a detailed view in perspective, showing the brace-receiving hood or socket-piece on a portion of the bracket-frame. Fig. 5 is a central vertical section of a portion of the bracket and wall with which the same is connected. Similar letters refer to similar parts throughout the several views.

My bracket-frame is, as shown in the drawings, substantially in the form of a right-angled triangle, of which *a* is the upper horizontal arm, *a'* the rear or vertical arm, and *a²* the inclined or brace arm which connects the ends of said arm *a* and *a'*. The rear arm *a* is provided at its upper end with a short vertical extension, in the rear face of which is formed a recess *b*.

c represents a metallic plate, which is secured to the rear-end portion and upper side of the frame-arm *a*, and which extends over and forms a top plate for the arm *a'*, from which it extends downward in front of the recess *b* and is secured to the rear piece of the frame-arm *a'*. That portion of the plate *c* which is in front of the recess *b* has formed therein, as indicated at *d*, a catch-opening, which is substantially in the form of an inverted keyhole, the lower and larger end of

said opening being preferably squared to receive the head of a bolt, as hereinafter described.

Intersecting the metallic strip or plate *c* below the catch-opening *d* is the central portion of a transverse brace or bearing plate *e*, the outer-end portion of the latter being bent inward and forward to meet opposite sides of the horizontal frame-arm *a*, to which they are secured, as indicated at *e'*. In this manner is formed a substantially triangular bearing or brace plate, the bearing-arm of which extends at right angles with the vertical frame-arm *a'*.

Pivotaly connected with one side of the bracket-frame at the junction of its vertical and horizontal arm is a hood or substantially cup-shaped socket-piece *f*, the latter being adapted to receive the upper end of a downwardly and outwardly inclined brace-arm *g*, such as indicated in Fig. 1 of the drawings.

In order to connect the herein-described scaffold-bracket with a brick wall, I provide a flattened bolt *h*, which is adapted, as shown in Fig. 5 of the drawings, to pass through the wall *h'* and between the layers of brick or stone thereof. The outer end of this flattened bolt is provided with an enlarged head *h²*, which is adapted to enter the lower portion of the opening *d* in the plate *c*, after which the smaller neck portion of said bolt is adapted to be made to enter the smaller portion of the opening *d*, thus bringing the bolt-head within the recess *b* of the frame and in rear of and in engagement with the rear side of the plate *c*, as shown in Fig. 5 of the drawings.

As indicated at *k*, I form through the flattened bolt-body *h* a desired number of openings, through one of which is adapted to be inserted an inclined or wedge-shaped key *m*, the insertion being made on the outer side of said brick wall.

In the manner above described it will be seen that the brackets may be suspended from the bolt-heads in such a manner as to bring the vertical frame-arm *a'* against the wall of the building and admit of a convenient and reliable scaffold being formed by bridging the upper arms of the bracket-frames with suitable boards.

In case the scaffold is suspended from a frame structure it is evident that an ordinary lag-screw or round bolt may be employed, the latter being inserted in the wood framework of the building and having a projecting head adapted to engage, as hereinbefore described, with the frame-plate *c*.

The additional brace *g* may be omitted, if desired, the same being employed only as an additional support for the bracket, and particularly where the building structure will not withstand great weight or pressure.

From the construction of my device, as herein shown and described, and the means of supporting the same, it will be seen that simple, convenient, and reliable scaffold-brackets may be employed, which may be readily and easily moved from one building to another, and the use of which will result in a great saving of labor, time, and expense.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a scaffold bracket the combination with the triangular frame, and means for connecting the vertical arm of said frame with a wall projection of a hood or socket cup *f*, pivotally connected with said triangular frame, and a brace arm adapted to be detachably inserted in said hood substantially as and for the purpose specified.

2. In a scaffold bracket the combination with a triangular frame, a recess in the vertical arm thereof, a plate passing over said recess and a key hole opening in said plate in front of said recess, of a flattened bolt having an enlarged head and slotted openings arranged at intervals in its body, a key adapted to enter one of said bolt openings and the head of said flattened bolt adapted to enter the key hole opening of said recess cover plate substantially as and for the purpose specified.

CLEMENT V. HEETER.

In presence of—

L. R. SMITH,
MOLLIE SMITH.