No. 689,390. Patented Dec. 24, 1901.

F. EWING.

SCAFFOLD BRACKET.

(Application filed May 1, 1901.)

(No Model.)

Fig. 1.

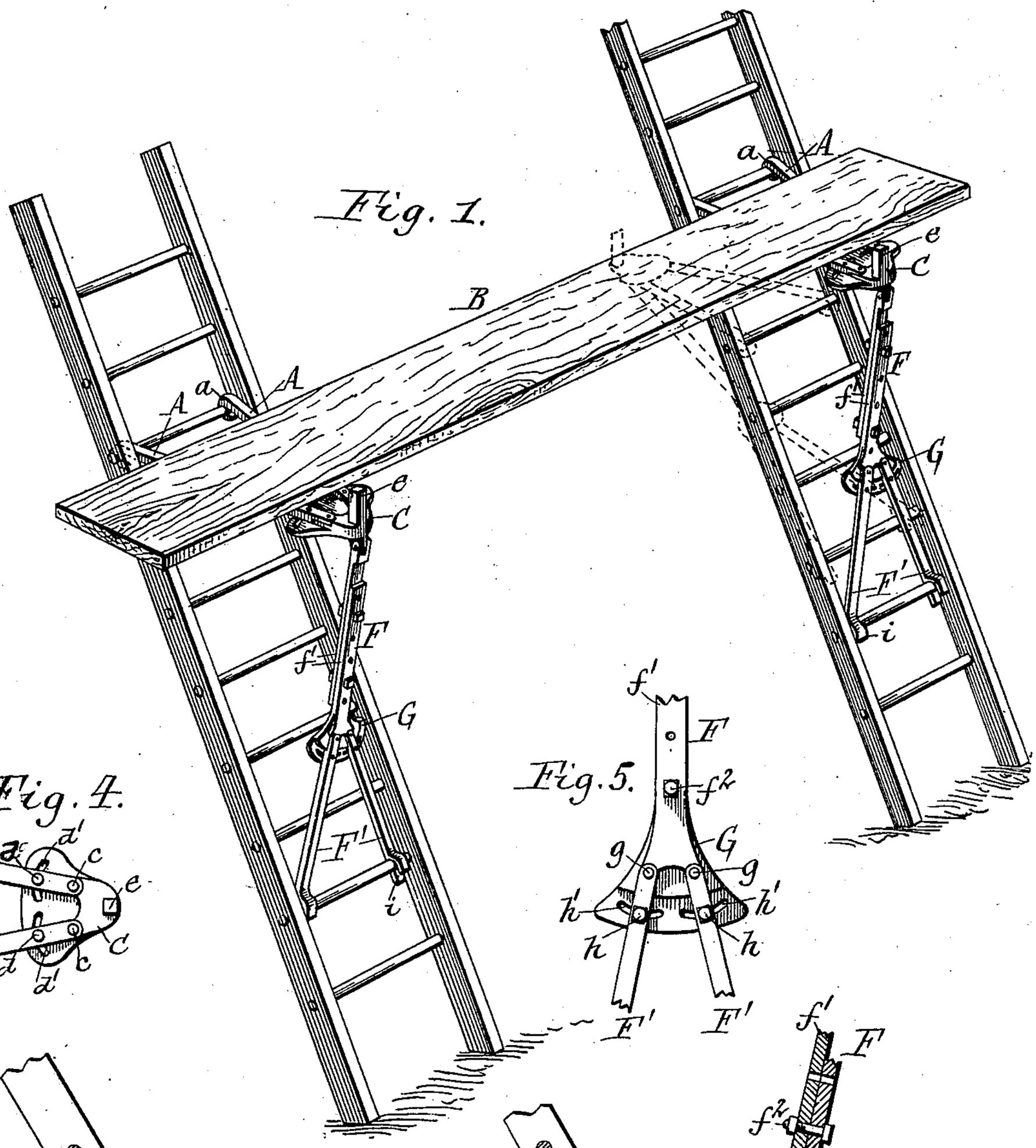


Fig. 4.

Fig. 2.

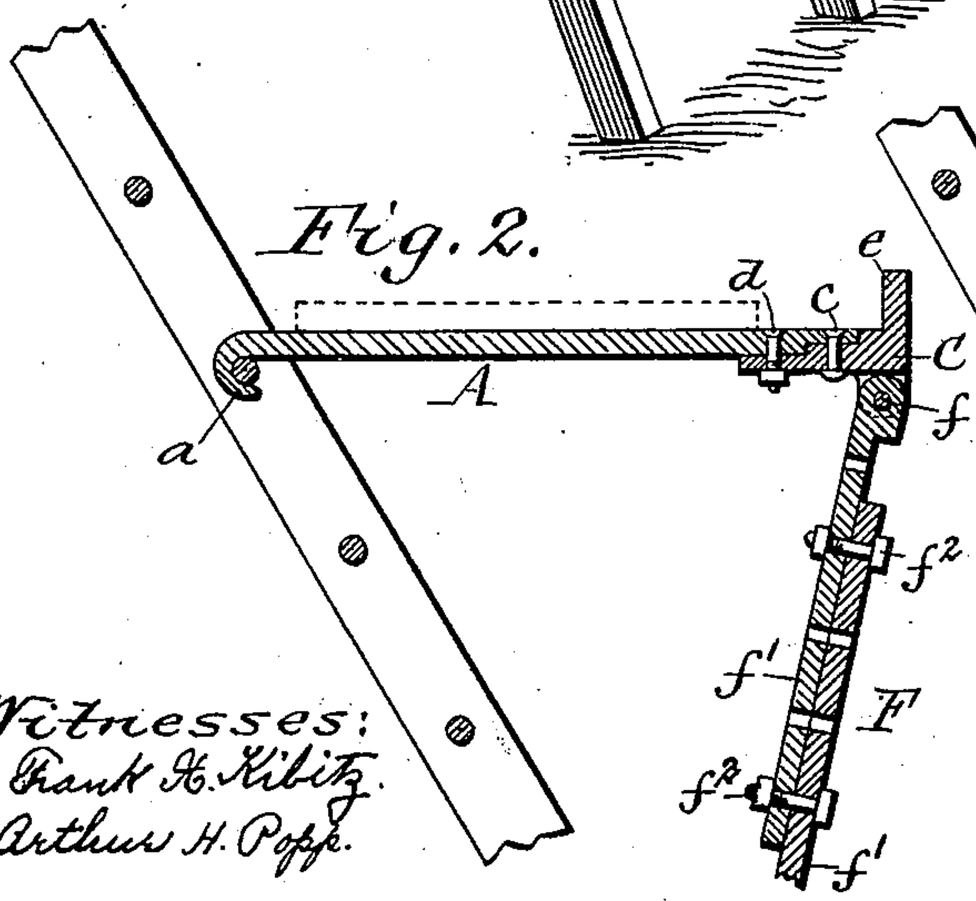
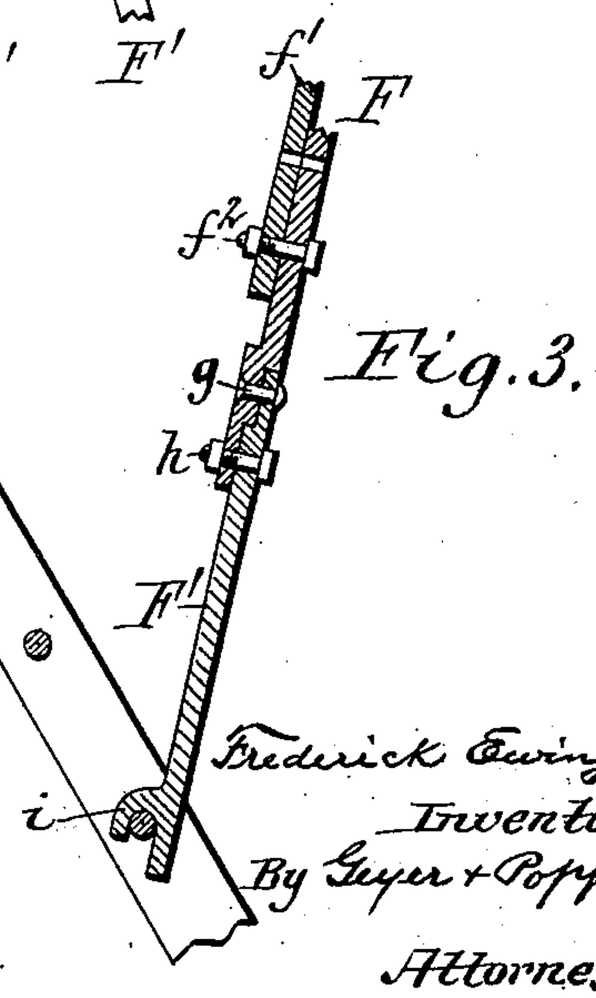


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

FREDERICK EWING, OF BUFFALO, NEW YORK, ASSIGNOR OF ONE-HALF TO IRA R. AMSDEN, OF BUFFALO, NEW YORK.

SCAFFOLD-BRACKET.

SPECIFICATION forming part of Letters Patent No. 689,390, dated December 24, 1901.

Application filed May 1, 1901. Serial No. 58,367. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK EWING, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in Scaffold-Brackets, of which the following is a specification.

This invention relates to scaffold-brackets which are designed to be adjustably attached to ordinary ladders for supporting the scaffold-planks at different elevations.

The object of my invention is the construction of a strong, stable, and inexpensive bracket of this kind which can be readily adjusted to fit ladders of different widths.

In the accompanying drawings, Figure 1 is a perspective view of a scaffold embodying my improved brackets. Fig. 2 is an enlarged fragmentary vertical section taken lengthwise through one of the horizontal supporting-arms of the bracket and the upper portion of the brace. Fig. 3 is a similar view taken vertically through the brace and lengthwise through one of its legs. Fig. 4 is an enlarged top plan view of the head at the upper end of the brace. Fig. 5 is an enlarged front view of the plate or enlargement of the upper brace member.

Like letters of reference refer to like parts in the several figures.

A A are a pair of horizontal arms which support the scaffold-plank B and which are provided at their rear ends with hooks *a*, which embrace one of the rungs of the ladder. These supporting-arms are attached at their front ends to a horizontal plate or head C, preferably by vertical pins or pivots *c*, so that the rear portions of the arms can be adjusted laterally to bear against the inner sides of the ladder-rails and to fit ladders of different widths. In the preferred construction shown in the drawings the supporting-arms A are adjustably secured in position by vertical clamping-bolts *d*, which pass through the arms on the rear sides of their pivots and through slots *d'*, formed in the head C and curved concentrically with the pivots of the arms. The head C is provided at its outer end with an upwardly-projecting lug or stop *e* for retaining the scaffold-plank upon the bracket.

The brace of the bracket preferably comprises an upper extensible member F, pivoted at its upper end to the front portion of the head C by a transverse pin *f*, and a pair of downwardly-diverging legs F', adjustably attached at their upper ends to the member F. The latter is composed of a pair of bars *f'*, made longitudinally adjustable on each other by any suitable means, such as transverse clamping-bolts f^2, each passing through one set of a vertical series of openings formed in the two bars *f'*, as shown in the drawings. The extensible member F is provided at its lower end with a plate or enlargement G, to which the legs F' are pivoted by pins *g*, passing transversely through the plate, thereby permitting the legs to be adjusted laterally to fit ladders of different widths. The adjustable legs may be clamped in position by transverse bolts *h*, which pass through slots *h'*, formed in the plate G concentrically with the pivots of the legs. The latter are provided at their lower ends with forks *i*, which straddle the adjacent rung of the ladder. Upon loosening the clamping-bolts *d* and *h* the scaffold-supporting arms A and the legs F' of the brace can be adjusted laterally to bear against the inner sides of the ladder-rails for firmly holding the bracket against lateral displacement on the ladder, and after adjusting the parts the clamping-bolts are again tightened.

The bracket can be readily attached to and detached from an ordinary ladder and can be folded for compact storage and transportation. The bracket may be supported on the front side of the ladder, as shown by full lines in the drawings, or it may be suspended from the rear side of the ladder, as shown by dotted lines in Fig. 1.

I claim as my invention—

1. In a scaffold-bracket for ladders, the combination with a head, of a pair of scaffold-supporting arms capable of lateral adjustment on said head and provided at their rear ends with attachments constructed to engage with a ladder, and a brace attached at its up-

per end to said head and provided at its lower end with attachments adapted to engage with a ladder, substantially as set forth.

2. In a scaffold-bracket for ladders, the combination with a head, of laterally-adjustable scaffold-supporting arms pivoted to said head, clamping devices for securing said adjustable arms in position on the head, and a brace extending downwardly from said head and provided at its lower end with attachments adapted to engage with a ladder, substantially as set forth.

3. In a scaffold-bracket for ladders, the combination with a scaffold-supporting arm provided at its rear end with an attachment constructed to engage with a ladder, of a brace extending downwardly from the front portion of said arm and provided at its lower end with a plate or enlargement, laterally-adjustable legs pivoted at their upper ends to said plate by pivots passing transversely through the plate, and provided at their lower ends with attachments constructed to engage with a ladder, and clamping devices for securing said legs in their adjusted position, substantially as set forth.

4. In a scaffold-bracket for ladders, the combination with a head, of laterally-adjustable scaffold-supporting arms pivoted to said head, clamping devices for securing said arms in position on the head, a brace pivoted at its upper end to said head and composed of an upper member provided at its lower end with a plate or enlargement, and laterally-adjustable legs pivoted at their upper ends to said plate by pivots passing transversely through the plate, and clamping devices for retaining said legs in their adjusted position, substantially as set forth.

Witness my hand this 29th day of April, 1901.

FREDERICK EWING.

Witnesses:
THEO. L. POPP,
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