

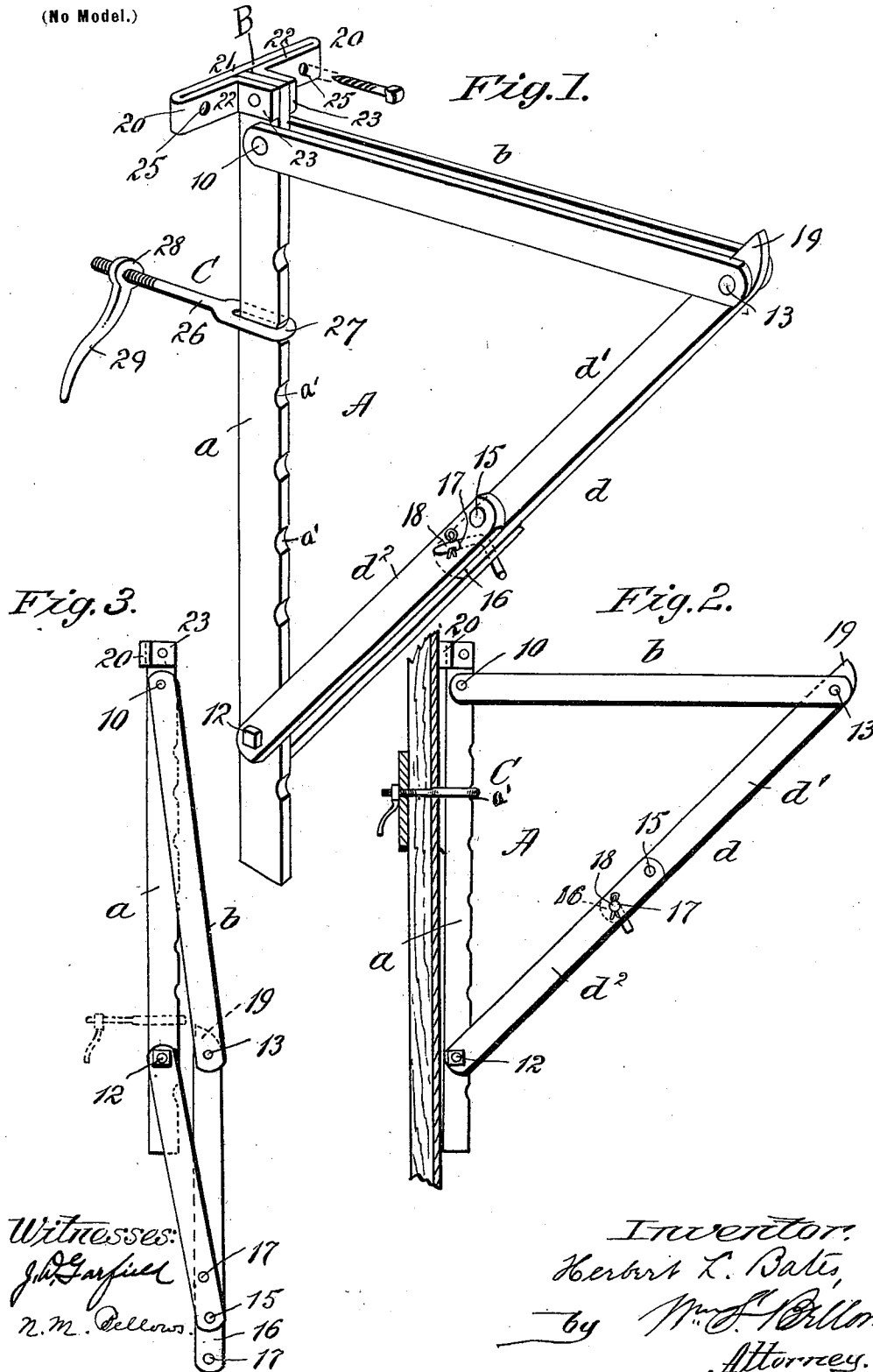
No. 666,916.

Patented Jan. 29, 1901.

H. L. BATES.
STAGING BRACKET.

(Application filed May 7, 1900.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

HERBERT L. BATES, OF HADLEY, MASSACHUSETTS.

STAGING-BRACKET.

SPECIFICATION forming part of Letters Patent No. 666,916, dated January 29, 1901.

Application filed May 7, 1900. Serial No. 15,805. (No model.)

To all whom it may concern:

Be it known that I, HERBERT L. BATES, a citizen of the United States of America, and a resident of Hadley, in the county of Hampshire and State of Massachusetts, have invented certain new and useful Improvements in Staging-Brackets, of which the following is a full, clear, and exact description.

This invention relates to improvements in a carpenter's bracket or staging-support; and the objects of the invention are to produce a bracket which may be readily folded up to occupy much less space in transportation or stowage than when in its distended or set-up position in use and to produce a strong, convenient, safe, and satisfactory bracket by reason of constructions and arrangements of parts which are cheap and simply made.

The invention consists in a bracket having the parts which constitute it constructed and arranged all substantially as hereinafter fully described, and set forth in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved folding bracket. Fig. 2 is a side view of the same as set up and supported on the side of a structure for use. Fig. 3 is a side view indicating the folded-up condition of the bracket.

Similar characters of reference indicate corresponding parts in all the views.

In the drawings, A represents the bracket, of which *a* is the upright or main member, provided with a series of recesses *a'* in its inner edge, *b* the horizontal or supporting member for the staging, and *d* the oblique or brace member. The horizontal support member *b* has its inner end portion pivotally connected at 10 to an upper portion of the upright *a*, while the opposite ends of the oblique brace member are pivotally connected at 12 and 13, respectively, to a lower portion of the upright and the outer portion of the horizontal member. The said brace member is formed of the two sections or link-like parts *d'* and *d''*, connected by the pivot-joint at 15, and the one section extends beyond the pivot in the extremity 16, which lies alongside the other section, said extremity and the adjacent part of the other section being perforated, as seen at 17, for the reception of a pin or stop 18, which is removably applied. The upper ex-

trermity of the brace-section *d'*, as indicated at 19, extends to project above the upper edge of the supporting member *b* and serves as a guard to prevent the platform or staging from being displaced in an outward direction.

The bracket is preferably made of suitable lengths of plain flat straight iron, and, as shown, the horizontal part *b* consists of duplicated strips, as does also the brace-section *d''*, so that they may straddle and tightly hug the single members when the bracket is collapsed.

At the upper end of the upright *a* are the oppositely-extended ear-lugs 20 20, having perforations 25, through which, if desired, lag-screws may be passed, so that the upper part of the bracket may be thus connected to the building or structure on which it is to be temporarily used, but which is left free when the clamping-bolt 26 is used to hold the bracket and when it is desired to vertically adjust the same.

B represents a single plate or piece of metal having the end portions 22 22 bent on the middle portion 21, with their extremities forwardly turned in the lugs 23 23, which receive between them and are pivotally connected to the upper end of the upright *a*.

C represents the usual clamp for holding the bracket to the building, the same consisting of the bolt 26, having the elongated eye 27, which embraces one of the recesses *a'* in the edge of the upright. This bolt is provided with the clamping-nut 28, having an extension-handle 29, which when unscrewed sufficiently to allow the eye 27 to disengage the recess *a'* permits the bracket to be vertically adjusted.

The pivotal connection at 12 between the upright and the lower end of the brace is preferably constituted by a removable bolt, so that, if desired, the brace may be disconnected from the upright to permit the clamp to be disconnected, especially when a quantity of the brackets are to be "knocked down" and disposed in the smallest possible compass. By removing the stop-pin 18 from the perforations 17 17 in the overlapped parts of the brace-sections *d'* *d''* the several members may be collapsed relatively to each other, as seen in Fig. 3, the brace doubling on itself and swinging downwardly to almost conform

to the line of the upright, while the supporting member *b* swings downwardly closely alongside the said upright.

5 As manifest from an inspection of the illustration of the bracket, the same is composed of parts which may be most easily and cheaply produced, little or no machine-work being necessary.

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

15 1. A staging-bracket comprising an upright member, a horizontal member, and a jointed brace member, all pivotally secured to each other at their ends, said upright member having a series of recesses in its inner edge, combined with a clamping-bolt adapted to engage the recesses and vertically adjust the bracket, substantially as described.

20 2. A staging-bracket consisting of an upright member, a horizontal member, and a jointed brace member, all pivotally secured to each other at their ends, said brace member consisting of two parallel bars pivoted
25 to each side of the upright, and a single bar

pivoted between the parallel bars of the brace and the bars of the horizontal member, and having a portion extending between the parallel bars, the said extension and the parallel bars having alining perforations, combined with a locking-pin to engage said perforations, whereby the parts are held distended.

3. A staging-bracket consisting of an upright member, a horizontal member, and a jointed brace member, pivotally secured to each other at their ends, a locking-pin removable from the joint of the brace member, and a plate secured to the upright to provide an additional securing means, in combination with a clamping-bolt having an eye through which the upright slides to permit a vertical adjustment of the bracket when the same is not permanently secured by the plate, substantially as and for the purpose set forth.

Signed by me at Springfield, Massachusetts, in presence of two subscribing witnesses.

HERBERT L. BATES.

Witnesses:

WM. S. BELLOWS,
GEO. F. WARWICK.