No. 789,156. PATENTED MAY 9, 1905.

D. E. KING.

FOLDING SCAFFOLD OR STAGING BENCH.

APPLICATION FILED SEPT. 21, 1904.

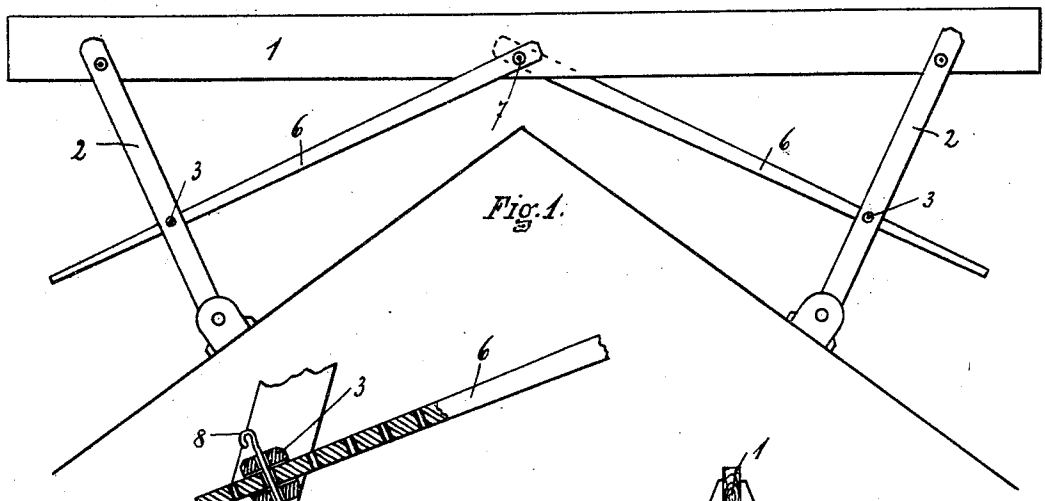


Fig. 1.

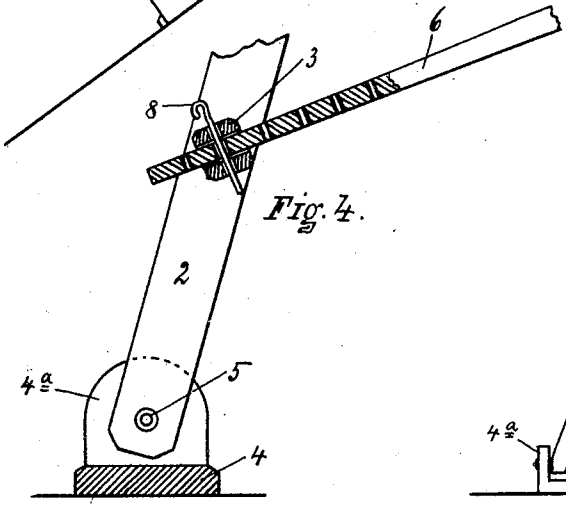


Fig. 4.

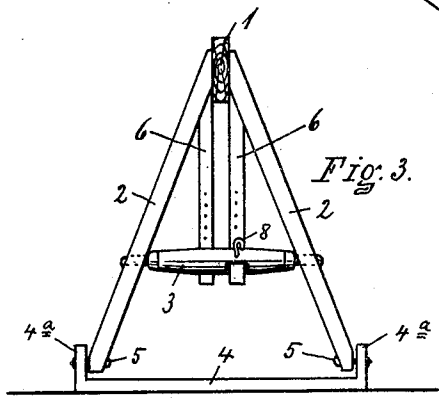


Fig. 3.

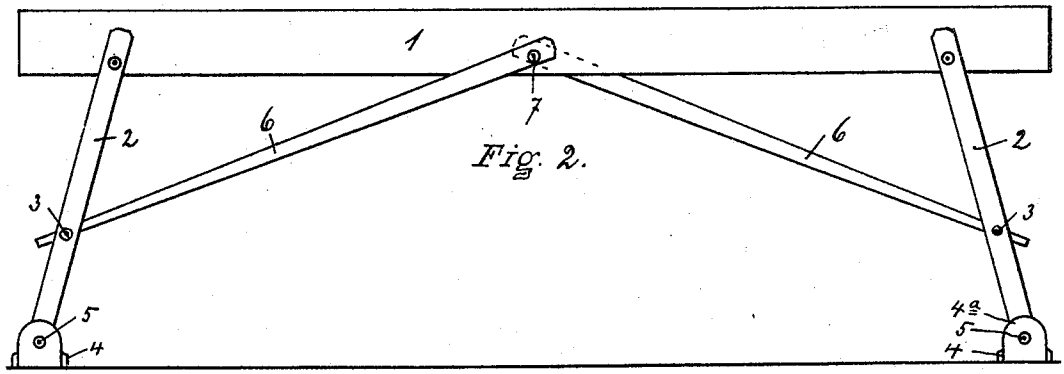


Fig. 2.

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UNITED STATES PATENT OFFICE.

DAVID E. KING, OF HOLLAND PATENT, NEW YORK.

FOLDING SCAFFOLD OR STAGING-BENCH.

SPECIFICATION forming part of Letters Patent No. 789,156, dated May 9, 1905.

Application filed September 21, 1904. Serial No. 225,324.

To all whom it may concern:

Be it known that I, DAVID E. KING, of Holland Patent, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Folding Scaffolds or Staging-Benches; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form part of this specification.

The object of my invention is to provide an improved adjustable folding scaffold or staging-bench which is particularly adapted for use in connection with gable-roofs, although adapted to numerous other uses.

In the drawings, Figure 1 shows a side elevation of my scaffold-bench adjusted to a gable-roof. Fig. 2 is a side elevation with the bench arranged for use on a plane surface. Fig. 3 is an end view with the parts in the positions shown in Fig. 2. Fig. 4 is a detailed view, on an enlarged scale and partially in section, showing the working parts of the construction.

Referring to the reference-figures in a more particular description, 1 indicates the main bar, which constitutes the body of the bench. Adjacent to each end there is bolted and pivoted thereto pairs of legs 2 2. These legs diverge toward the lower ends and intermediate of the length are provided with a cross round or spindle 3. The legs, with the spindle 3, have an **A** shape. To the lower ends of the legs there is applied a shoe 4, consisting of a board or plate extending transversely of the bench between the legs, constituting a pair. At each end the shoe is provided with upwardly-extending ears 4^a, to which the lower ends of the legs are pivoted at 5. The spindles 3 are pivotally secured in the legs 2, so as to have a rocking motion, and are provided with openings or mortises which receive the free end of the braces 6, the brace being adapted to slide freely through the mortises or openings when not otherwise secured. The inner ends of the braces 6 are pivotally secured to the center of the main bar 1 of the bench at 7. In the free end the braces 6 are provided with a series of transverse holes, as best shown in Fig. 4, and there is provided a removable pin 8, adapted to pass through suitable openings in the spindle 3 and in openings of the brace 6, whereby the legs 2 can be secured at any necessary angle with reference to the main bar 1. As shown in Fig. 1, the legs are adjusted to an inwardly-turned position, whereby they take a position substantially at right angles to the face of the sides of a gable-roof, as shown, and the shoes being provided pivotally on the end of the legs adjust themselves exactly to the plane of the surface on which they rest. The bench can be applied to a gable-roof in such a manner that the middle portion of the main bar or beam 1 will rest on the point or ridge, if desired. In the positions of adjustment shown in Fig. 2 the bench is adapted more particularly for use on a level surface, and it may be noted that the legs at each end of the bench need not be adjusted to the same angle with reference to the main bar or beam; but sundry adjustments can be made at each end whereby the bench will accommodate itself to uneven or irregular surfaces and yet have the supporting-surface of the bar 1 assume the desired position, which of course is ordinarily a horizontal one.

It is evident that numerous changes in the details of the construction can be made without departing from the spirit of my invention and that by throwing out the legs to such an angle as to disengage the braces from the spindles 3 the braces and legs can be folded into very compact form for storage or transportation.

What I claim as new, and desire to secure by Letters Patent, is—

The combination in a staging-bench of the main bar 1, the two **A**-shaped end frames pivoted at their apex to the main bar and consisting of the legs 2, 2 and spindle 3 and shoe 4, both extending between and pivotedly connected with the legs, and braces 6 slidingly

passing through openings in the spindles 3, respectively, and a securing device between the spindle and the brace arranged to secure the end frames in acute, obtuse and intermediate angular positions with reference to the main bar, substantially as set forth.

In witness whereof I have affixed my signature, in presence of two witnesses, this 16th day of September, 1904.

DAVID E. KING.

Witnesses:
R. J. MEREDITH,
S. E. DE ANGELIS.