C. B. VAN HUZER.

MECHANIC'S TRESTLE.

APPLICATION FILED MAR. 20, 1915.

1,159,299. Patented Nov. 2, 1915.

Fig. 1.

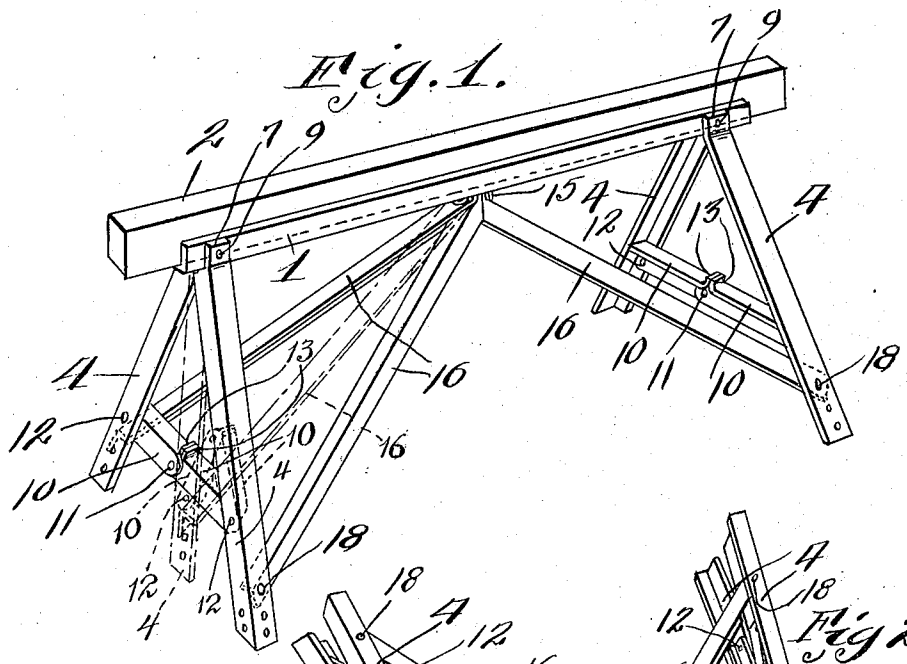
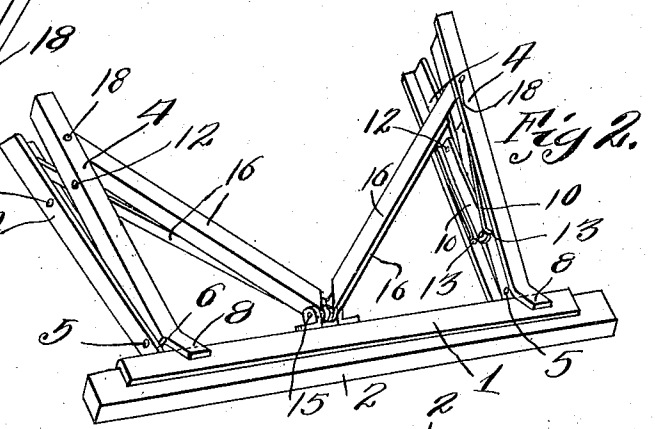


Fig. 2.



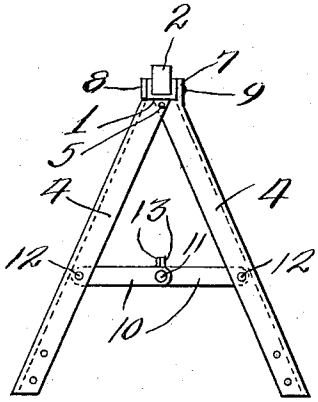


Fig. 4.

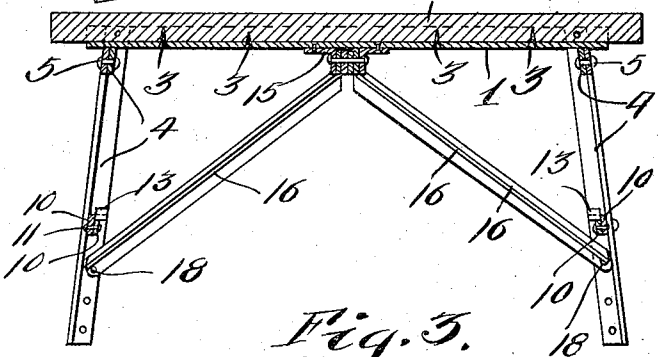


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

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MECHANIC'S TRESTLE.

1,159,299. Specification of Letters Patent. Patented Nov. 2, 1915.

Application filed March 20, 1915. Serial No. 15,741.

To all whom it may concern:

Be it known that I, CURTIS B. VAN HUZER, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented a new and useful Mechanic's Trestle; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a mechanic's trestle, and an object of the invention is to provide a trestle of this nature having collapsible legs, which, when thrown open into supporting position, clamp a trough-shaped member, which in turn holds the work supporting beam.

In practical fields the details of construction may necessitate alterations, falling within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings:—Figure 1 is a view in perspective showing the improved trestle in position ready for use and constructed in accordance with the invention. Fig. 2 is a perspective view showing the legs collapsed. Fig. 3 is a longitudinal sectional view. Fig. 4 is an end view showing parts in section.

Referring more especially to the drawings, 1 designates an elongated trough-shaped member, in which a work supporting beam 2 is secured, as shown at 3 by the screws. The angularly disposed legs 4 (which are angular in cross section) at each end of the trough-shaped member are pivoted together at their upper ends as shown at 5. The pivoted ends of the legs are cut away as shown at 6 to form the clamping lugs 7 and 8. The clamping lug 7 of one leg at each end of the trough-shaped member is bolted at 9 to one side of the trough-shaped member, and when said legs are thrown open as shown clearly in Fig. 1 the lug 8 coöperates with the lug 7 to clamp the trough or U-shaped member securely in position. The legs 4 at each end of the trestle are connected by the links or braces 10, which are angular in cross section and pivoted together as at 11, each link or brace 10 is in turn pivoted at 12 to each leg. The horizontal portions of the braces or links 10 are provided with upturned abutting flanges 13, to prevent the braces from collapsing downwardly, when the legs are thrown to open positions. However, when the legs are collapsed together, the links or braces 10 close or collapse within the angular shape of the legs. Secured to the under face of the trough-shaped member substantially at its central portion are angle plates 15, between the downwardly extending portions of which the adjacent converging ends of the four braces 16 are pivoted. These braces 16 are likewise angular in cross section, and have their lower diverging ends pivoted at 18 to all four legs. The braces 16 are pivoted to the angle plates in such wise, as to permit the legs 4 to collapse toward each other as shown in Fig. 2. If desired, the legs at one end of the trestle may be collapsed together, while the legs at the opposite end may remain open, that is, when it is necessary that one or another of the legs at one end should be moved out of the way of an obstruction, as shown in dotted lines in Fig. 1.

The invention having been set forth, what is claimed as new and useful is:—

1. In combination, an elongated trough-shaped member, a beam secured therein, a pair of legs pivoted together at their upper ends, each being angular in cross section, one of said legs beyond its pivotal connection with the other leg being fixed to one side of said trough-shaped member, the other leg beyond its pivotal connection acting to engage and disengage the other side of the trough-shaped member, to permit said legs to collapse and permit one leg to be thrown to one side free of an obstruction, said legs diverging laterally and downwardly and having their lower diverging portions provided with connections consisting of brace sections, the central portion of the trough-shaped member having a pair of ears, two pairs of braces pivotally connected between said ears, the braces of each pair diverging downwardly, laterally and toward their respective legs and connected to the same.

2. In combination, an elongated trough-shaped member, a work supporting beam secured therein, a pair of legs at each end of the trough-shaped member and having their upper ends pivoted together and diverging downwardly, said legs being angular in cross section and having their upper pivoted end portions cut away forming oppositely disposed clamping lugs between which the U-shaped member is clamped, one of said

lugs being secured to said trough-shaped member, a pair of transverse pivoted braces angular in cross section, the outer end of each of which being pivotally connected to each leg, the adjacent pivoted end of the braces being provided with abutment flanges to prevent the braces from collapsing downwardly, and a plurality of braces angular in cross section having pivotal connections with the substantially central portion of the trough-shaped member and diverging downwardly and laterally and connected to the lower diverging part of said leg.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CURTIS BEAKS VAN HUZER.

Witnesses:

SAMUEL JOHNSON,

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."