

(No Model.)

F. JONES.  
ADJUSTABLE TRESTLE.

No. 495,492.

Patented Apr. 18, 1893.

Fig. 1.

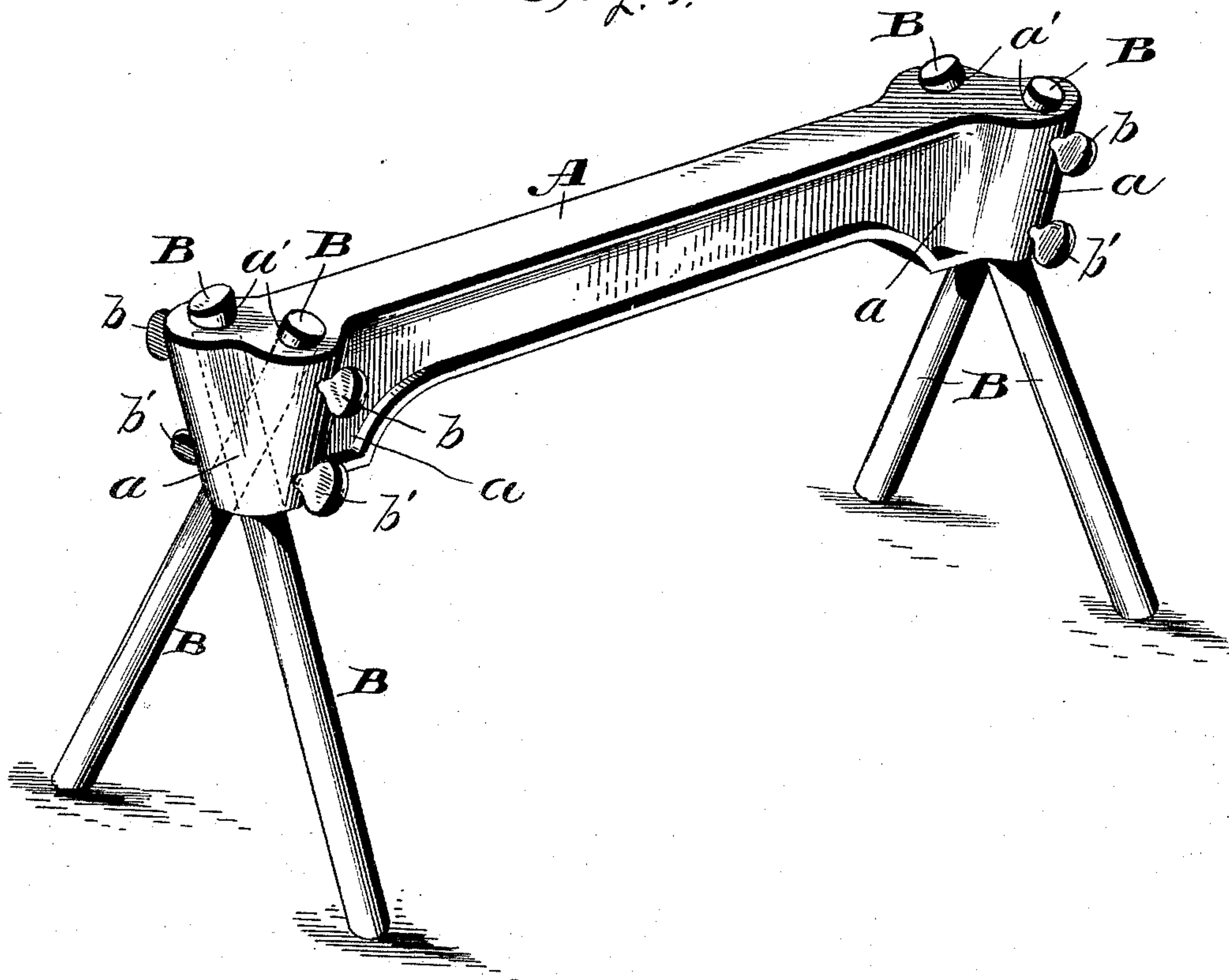


Fig. 2.

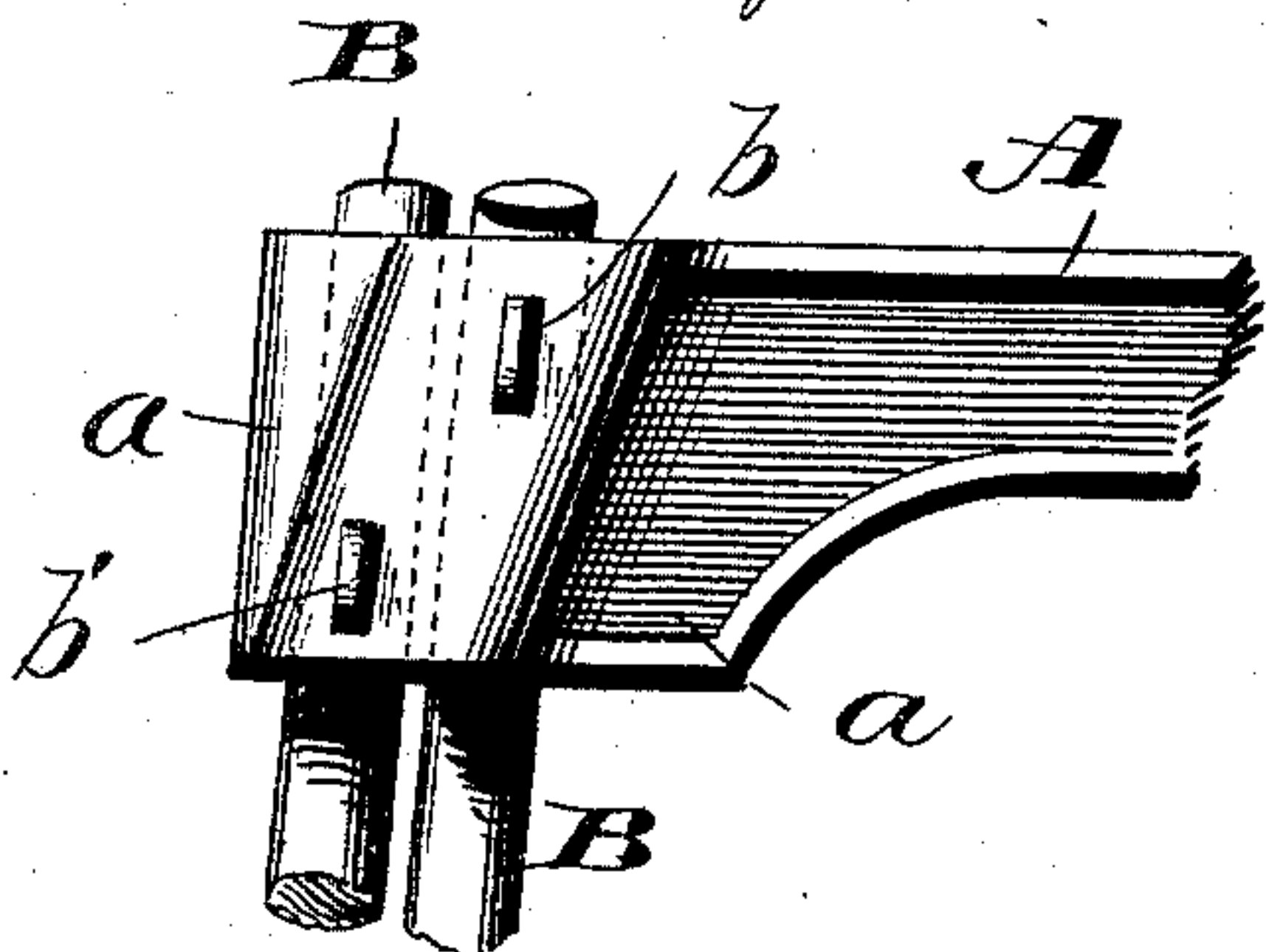
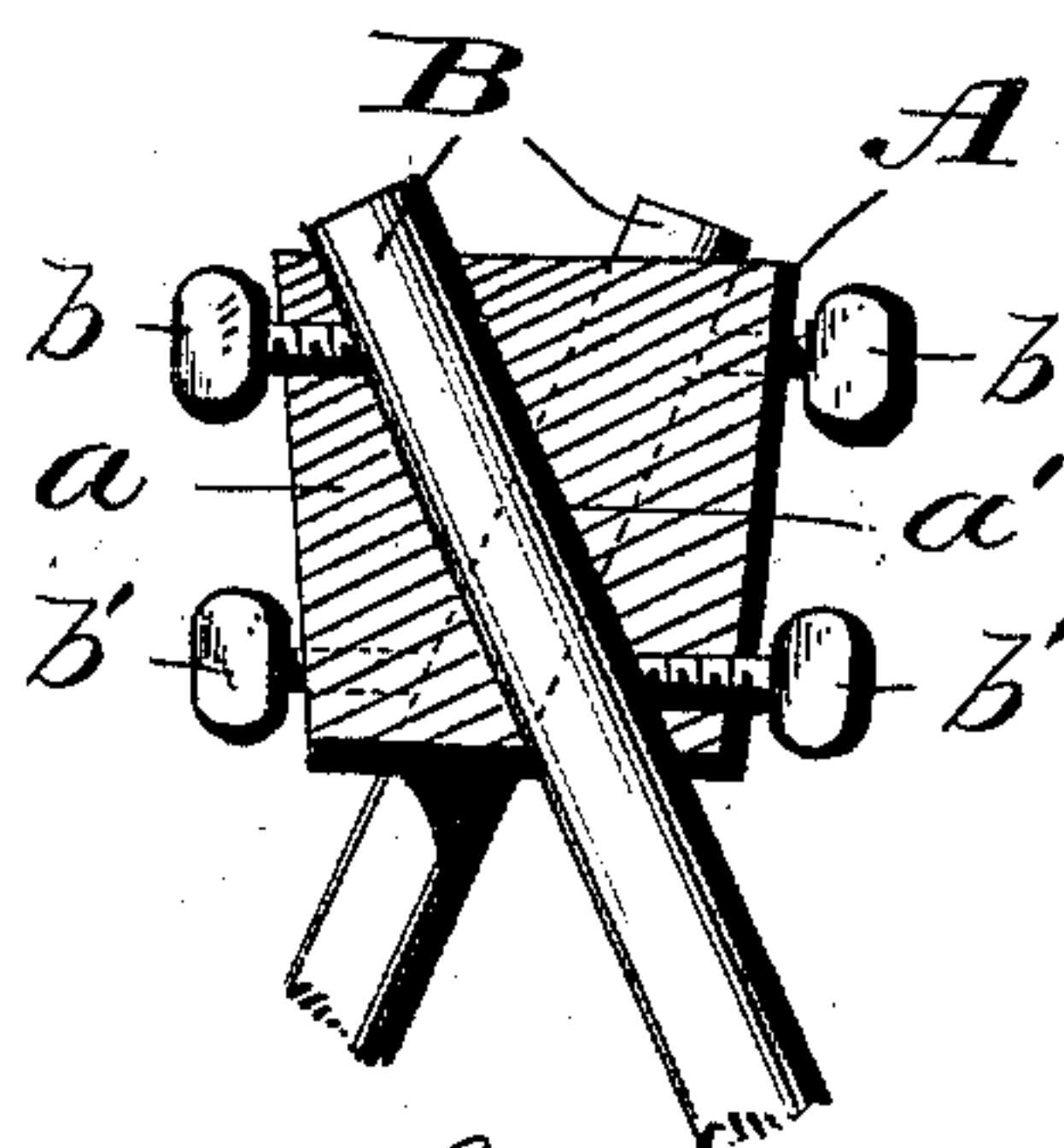


Fig. 3.



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# UNITED STATES PATENT OFFICE.

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## ADJUSTABLE TRESTLE.

SPECIFICATION forming part of Letters Patent No. 495,492, dated April 18, 1893.

Application filed November 12, 1892. Serial No. 451,815. (No model.)

*To all whom it may concern:*

Be it known that I, FLOYD JONES, a citizen of the United States, residing at Pompton Plains, in the county of Morris and State of New Jersey, have invented certain new and useful Improvements in Adjustable Trestles; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in horses or trestles, such as are used by carpenters and other artisans, and it is my object to provide a trestle of this description whose height shall be adjustable and which shall be of few parts, easily and quickly adjustable, and strong.

To these ends and to such others as the invention may pertain, the same consists in the trestle having the construction hereinafter specified and claimed, and fully illustrated in the accompanying drawings, in which,

Figure 1, is a perspective view of my trestle. Fig. 2 is a detail side elevation and, Fig. 3, is a vertical cross-section.

Reference now being had to the details of the drawings by letter, A designates the supporting bar of my trestle the upper face of which is a flat or plain surface. At each of its ends said bar is enlarged vertically and laterally at *a* and through it are passed two obliquely extending openings *a'*, *a'*, that from their upper ends downward converge toward each other, but without coming together. Within each opening *a'* is closely fitted a leg B, adapted to be adjusted longitudinally through the same. The angle of inclination of the openings *a'* is such that the lower ends of the legs are considerably far apart, so as to furnish all needed stability to the trestle. Near the upper face of the bar a set-screw *b* is tapped through to impinge against each leg B near its upper end and near the lower face of said bar a second screw *b'* is tapped through to engage the leg B whose upper end is engaged by a screw *b* on the opposite side

of the bar A. This arrangement of screws is necessary because the inclination of the leg causes it to be near one side of the bar at the top face thereof and near the other side of the lower face thereof.

The set screws are not depended upon to hold the bar A from movement down the legs because, owing to the obliquity of the direction of the legs, weight upon the bar A in a vertical line, will result in a binding effect of the bar upon the legs. Obviously the bar can only move down a leg when it moves in the direction of the length of the leg, and since the legs extend in directions that intersect, a direct vertical movement of the bar is impossible.

One of the objects of providing the enlargements *a* at the ends of the bar A, besides adding strength to resist the lateral strain to which the obliquity of direction of the legs subject it, is to provide an extensive amount of surface for frictional engagement of the legs and bar, in order to add to the binding action described.

The sides of the enlargements *a* are cut away and rounded as shown, in order to lighten the trestle and give to it a neat appearance with out weakening it.

It will be noted that my device is extremely simple its adjustment easy; is strong and not liable to accidental derangement by slipping of the bar upon the legs.

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

The herein described adjustable trestle consisting of the rectangular supporting bar, having vertical and lateral enlargements each with two oppositely disposed oblique openings crossing each other, the legs fitted closely in said openings, and the set screws, two for each leg, tapped through the enlargements and bearing against the legs, all substantially as shown and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

FLOYD JONES.

Witnesses:

CHARLES J. TRENT,  
SILAS W. BIRDSALL.