(No Model.)

G. W. MURRAY.

TRESTLE.

No. 320,674. Patented June 23, 1885.

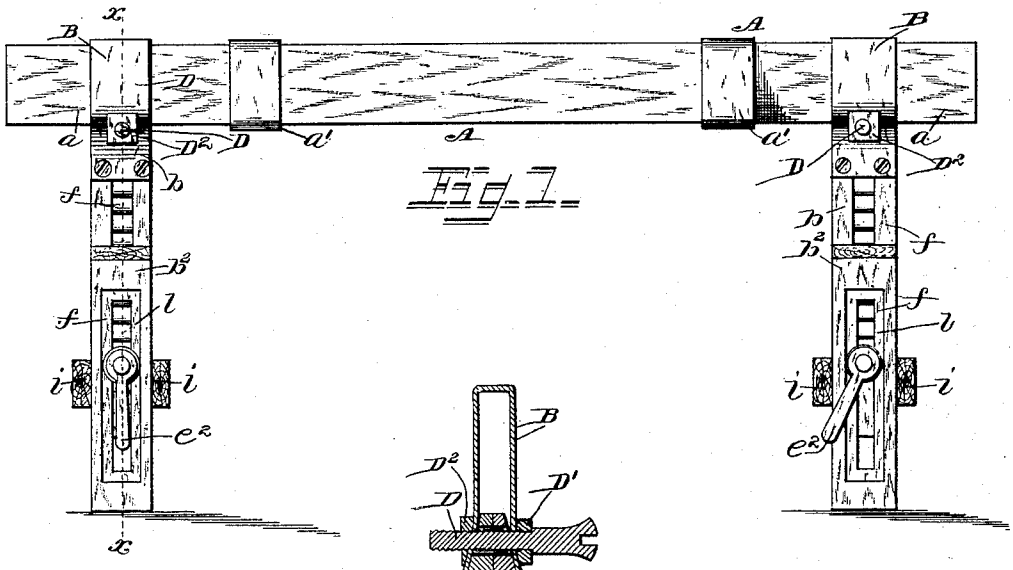


Fig. 1.

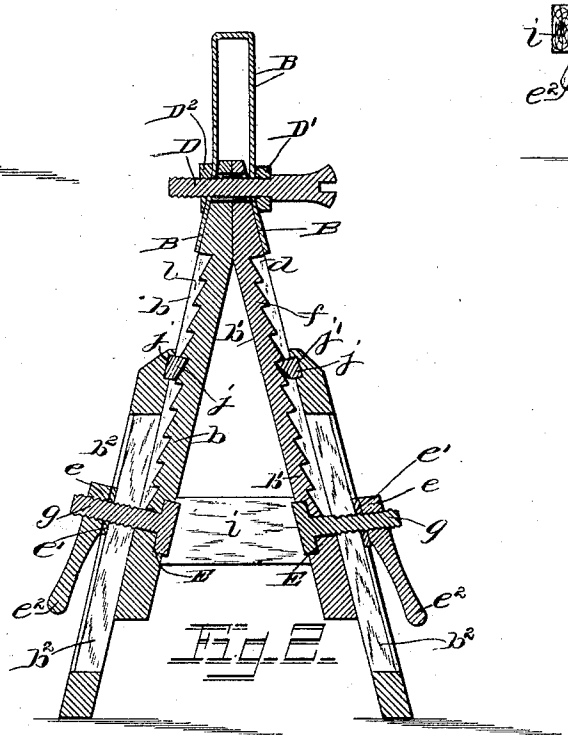


Fig. 2.

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UNITED STATES PATENT OFFICE.

GEORGE W. MURRAY, OF MOUNT CRAWFORD, ASSIGNOR OF ONE-HALF TO F. E. STALING, OF HARRISONBURG, VIRGINIA.

TRESTLE.

SPECIFICATION forming part of Letters Patent No. 320,674, dated June 23, 1885.

Application filed May 1, 1885. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. MURRAY, a citizen of the United States of America, residing at Mount Crawford, in the county of Rockingham and State of Virginia, have invented certain new and useful Improvements in Trestles, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in work-trestles, having for its object to render the same extensible vertically and longitudinally for increasing or varying its height or length; and it consists of the detailed construction and combination of parts, substantially as hereinafter fully set forth and claimed.

In the accompanying drawings, Figure 1 is a side elevation of my improved work-trestle; and Fig. 2 is a cross-section on the line *x x*, Fig. 1.

In the embodiment of my invention I construct the trestle of two corresponding sections, A A, each section consisting of a horizontal edgewise-disposed piece or bar, *a*, constituting the connecting-bar between the legs, with one end of each bar provied with a keeper or socket, *a'*, the bar of one section sliding in the keeper or socket *a'* of its fellow section, thus rendering them longitudinally extensible to enable the adjustment of the length of the trestle, as circumstances may require.

Each bar *a* is held and guided by a metallic socket, B, which socket is conformed to the lateral shape of the bar, and said bar rests upon the top of two approximately **A**-shaped adjustable legs, *b b'*, to the upper ends of which legs the metallic socket B is rigidly secured by ordinary means, as shown. The adjustable legs *b b'* converge to a point at top, and are rigidly secured together by means of a nutted bolt, D, which bolt projects through an orifice in the socket B, and is passed through the said legs and secured on one side of said socket by means of a washer, D', and on the other by a beveled nut, D^2. The nut D^2 is beveled to prevent turning of the same when tightening the said bolt, the same being prevented from turning by contact of the upper or thickened portion of said nut with the inclined surface of the socket B. The legs *b b'*, which are both extensible and adjustable, are provided on their outer face with inclined teeth, *f*, the purpose of which will appear further on. The said legs have a bolt, *g*, passed through a corresponding bolt-orifice near their lower ends for connecting said legs with two stationary legs, b^2 b^2, which will be explained further on. Each bolt *g* is provided with a square head, E, which is secured in a correspondingly-shaped recess formed on the inner face of the legs *b b'*, the square head serving to prevent turning of the bolt.

The stationary legs b^2 of each pair of legs are rigidly secured together on either side thereof by a horizontal bar, *i*, each leg having rigidly secured on its inner face in a coincident recess, *j*, a beveled stud or projection, *j'*, which in practice is caused to mesh or engage with one of the inclined teeth *f* of the legs *b b'*. The legs *b b'* are held in a proper vertical adjustment by said teeth, which mesh and are held in place by means of the bolts *g*, each of which is passed through a longitudinal slot, *l*, formed in the outer face of the stationary legs b^2 b^2.

Each nut *e* of the bolts *g* has interposed between it and the outer face of the stationary legs b^2 a washer, *e'*, each of which washers projects across the coincident slot, *l*, in the legs b^2 b^2. Thus constructed the inner section may be readily tightened when adjusted to its proper altitude by means of the nut *e*, which for better manipulation thereof is provided with the handle e^2.

Thus constructed, a platform contrived by placing boards, as usual, across the trestles, may be readily extended in length or height, as may be required, for the accommodation of workmen.

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

1. In a trestle, the adjustable legs having teeth on their outer face, in combination with the stationary legs having beveled studs or projections meshing with said teeth, and a nutted bolt for securing said legs together, substantially as shown and described.

2. In a trestle, the combination of bars *a*, each in part held by a socket, B, and having

a socket or keeper, a', and legs b b', vertically adjustable, and stationary legs b^2 b^2, secured together by means of bolts and nuts, substantially as shown and described.

3. A trestle adjustable vertically by means of legs having inclined teeth adapted for reception of a coincident stud or projection rigidly secured to each of the stationary legs, the legs being held rigidly in position and the teeth thereby meshed together by means of nutted bolts, substantially as shown and described.

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

GEORGE W. MURRAY.

Witnesses:

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