(No Model.)

W. A. REARDON.

WORK TRESTLE.

No. 589,573. Patented Sept. 7, 1897.

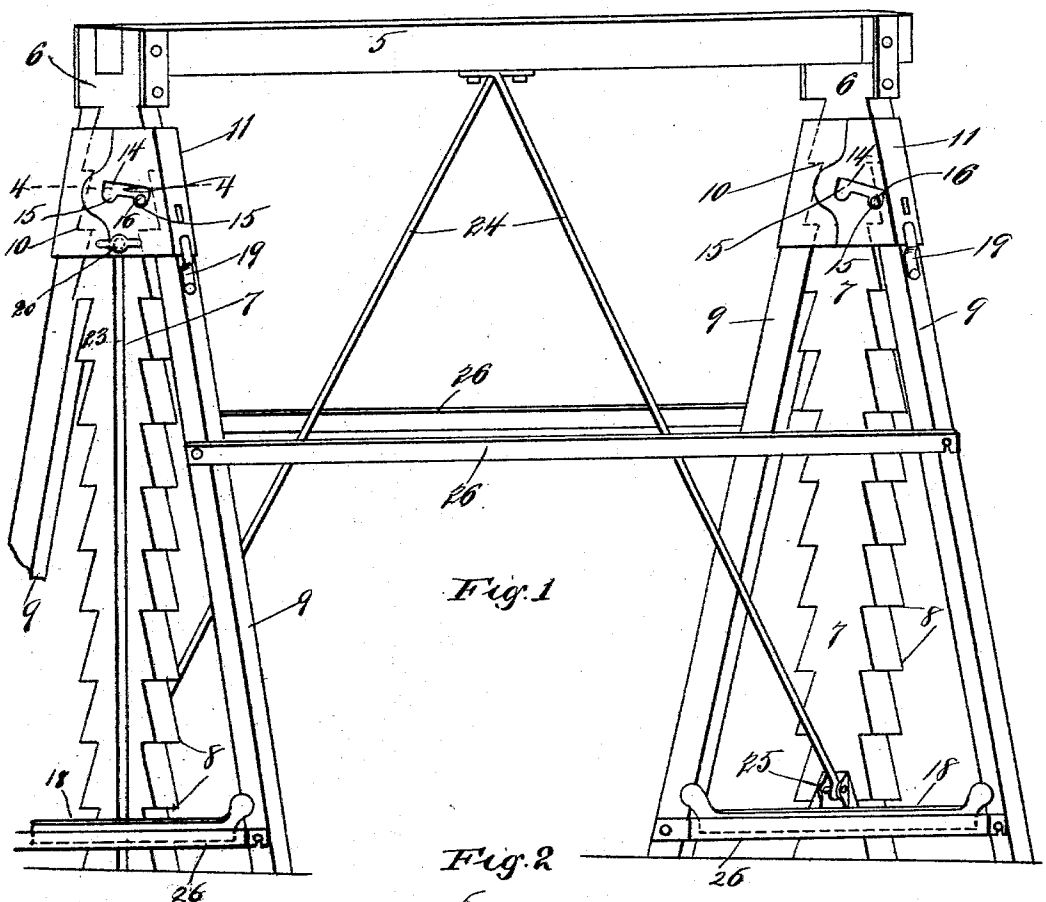


Fig. 1

Fig. 2

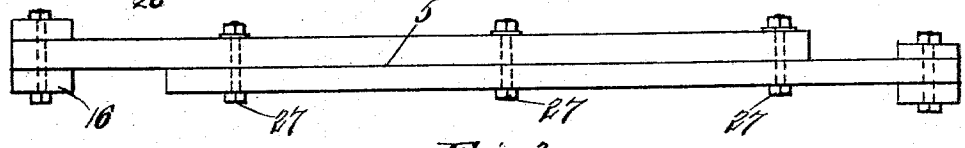


Fig. 3

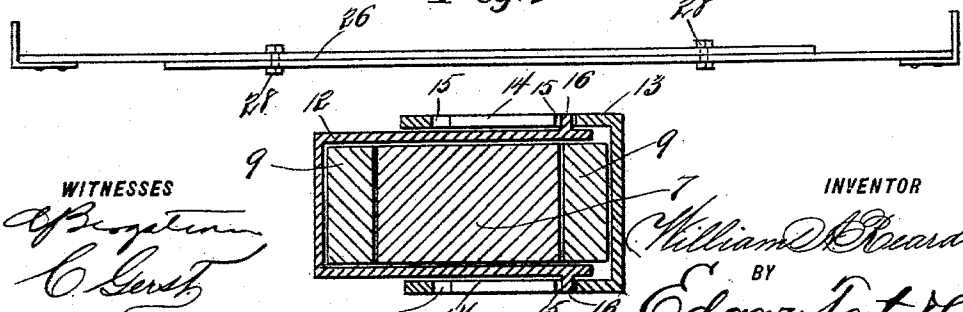


Fig. 4

WITNESSES

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WORK-TRESTLE.

SPECIFICATION forming part of Letters Patent No. 589,573, dated September 7, 1897.

Application filed April 16, 1897. Serial No. 632,401. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ANDREW REARDON, a citizen of the United States, residing at Port Leyden, in the county of Lewis and State of New York, have invented certain new and useful Improvements in Work-Trestles, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in work-trestles, such as are usually employed for supporting scaffolds, platforms, and for other and similar purposes; and the object of the invention is to provide a device of this class which is simple in construction and operation and strong and durable, and which is vertically adjustable and which may also be longitudinally adjustable, if desired.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a perspective view of my improved trestle; Fig. 2, a plan view of a modified form of top therefor; Fig. 3, a similar view of a modified form of side brace, and Fig. 4 a section on the line 4 4 of Fig. 1.

In the drawings forming part of this specification, the separate parts of my improvement are designated by the same numerals of reference in each of the views, and in the practice of my invention I provide a cross-bar 5, each end of which is provided with a head 6, into which the cross-bar 5 is countersunk, or said cross-bar may be connected with the heads 6 in any desired manner, and formed on or secured to each of the heads 6 is a depending leg 7, which is rectangular in cross-section and the sides of which are provided with shoulders or projections 8, which are formed therein in any desired manner, and I also provide supplemental legs 9, two of which are employed in connection with each of the legs 7, and these legs 9 are provided at their upper ends with shoulders or projections 10, which correspond with the shoulders or projections 8 on the legs 7, and the shoulders or projections 10 on the supplemental legs 9 are adapted to operate in connection with the shoulders or projections 8 on the legs 7.

The upper ends of the supplemental legs 9 are connected by clamp-heads 11, which are rectangular in cross-section and which are of the form and construction shown in Figs. 1 and 4. The said clamp-heads are wider at their lower than at their upper sides, and each is composed of two separate parts 12 and 13, said parts being yoke-shaped in form and the sides of one being adapted to inclose the sides of the other, and formed in the sides of one of said parts are longitudinally-inclined slots 14, at each end of which is a downwardly-directed extension 15, and formed on or secured to the opposite sides of the other part are lugs or projections 16, which pass through and are adapted to move in the slots 14.

The clamp-heads 11 are designed to hold the upper ends of the supplemental legs 9 and are placed thereover, as clearly shown in Fig. 1, and the supplemental legs 9 project outwardly and downwardly at each side of the legs 7, and the lower ends of the legs 7 are provided with transverse guides 18, which are secured thereto and which move up and down therewith, the ends of the guides 18 projecting beyond the supplemental legs 9.

One or both of the legs 9 at each end of the trestle is also provided with a clasp or keeper 19, which is secured thereto and upon which the clamp-heads 11 rest, and connected with the outer sides of the clamp-heads 11, or to one of the parts thereof, is a set-screw 20, which moves in a vertical groove 23, formed on the outer sides of the legs 7.

Secured to the cross-bar 5 of the trestle are brace-rods 24, which project downwardly and outwardly, and the lower ends of which are pivotally connected with the lower portions of the legs 7, as shown at 25, and the legs 9 at each end of the trestle are also connected by horizontal brace-bars 26, which are preferably detachable, but may be pivoted at one end.

As thus constructed it will be apparent that by properly manipulating the several parts of the clamp-heads 11 the cross-bar 5 of the trestle may be raised or vertically adjusted whenever desired, it being understood that the legs 7 are raised therewith and pass between the upper ends of the supplemental legs 9, and said parts may be locked in any desired position by means of the clamp-heads 11.

In Fig. 2 I have shown a modified form of construction in which the bar 5 is composed of two separate parts, which are connected by

cross-pins or bolts 27, and in Fig. 3 I have shown one of the horizontal bars 26, which is formed in a similar manner, said brace-bar being composed of two separate parts, which are connected by bolts or screws 28, and when these forms of construction are employed it will be understood that the separate parts of the trestle are longitudinally adjustable.

The legs 7 may be of any desired length, as may also the supplemental legs 9, and it will be apparent that my improved trestle may be composed of any desired material, and it will thus be seen that I accomplish the object of my invention by means of a device which is simple in construction and operation and well adapted to produce the result for which it is intended.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The herein-described trestle, which consists of a horizontal top bar, the ends of which are provided with depending legs on the opposite sides of which are formed shoulders or projections, and each of said legs being also provided with two supplemental legs which are provided at their upper ends with corresponding shoulders or projections, and said supplemental legs being held together at their upper ends by adjustable clamp-heads, through which the depending legs of the top bar pass, whereby the legs of the top bar are vertically adjustable between the supplemental legs, and said supplemental legs being directed outwardly and downwardly and provided with cross-braces, and the top bar being provided with braces which extend downwardly, and are connected with the lower ends of the depending legs which are formed on or secured to said top bar, substantially as shown and described.

2. The herein-described trestle, which consists of a horizontal top bar, the ends of which are provided with depending legs on the opposite sides of which are formed shoulders or projections, and each of said legs being also provided with two supplemental legs which are provided at their upper ends with corresponding shoulders or projections, and said supplemental legs being held together at the upper ends by adjustable clamp-heads, through which the depending legs of the top bar pass, whereby the legs of the top bar are vertically adjustable between the supplemental legs, and said supplemental legs being directed outwardly and downwardly and provided with cross-braces, and the top bar being provided with braces which extend downwardly, and are connected with the lower ends of the depending legs which are formed on or secured to said top bar, said top bar being longitudinally adjustable, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 10th day of April, 1897.

WILLIAM ANDREW REARDON.

Witnesses:
JAMES JORDAN,
E. H. SAWYER.