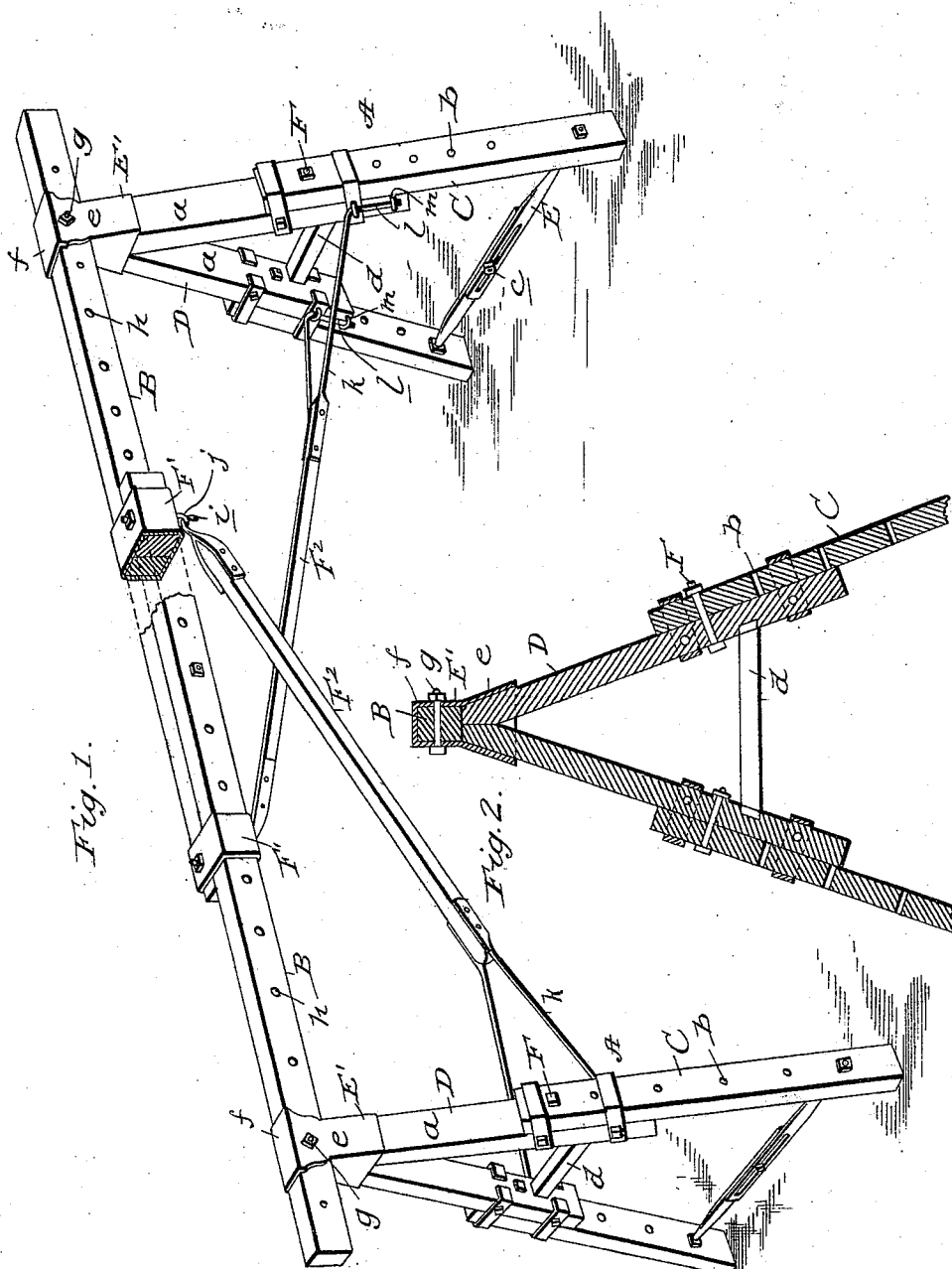


(No Model.)

G. H. JAQUESS.
EXTENSIBLE TRESTLE.

No. 501,348.

Patented July 11, 1893.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE H. JAQUESS, OF RIVERSIDE, CALIFORNIA.

EXTENSIBLE TRESTLE.

SPECIFICATION forming part of Letters Patent No. 501,348, dated July 11, 1893.

Application filed February 3, 1893. Serial No. 460,882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. JAQUESS, a citizen of the United States, residing at Riverside, in the county of San Bernardino and State of California, have invented certain new and useful Improvements in Extension-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.

My invention relates to improvements in trestles for supporting scaffolds, platforms, &c., and it has for its general object to provide a trestle of a simple and strong construction adapted to be readily taken apart and packed in a compact manner, and one adapted to be quickly and easily increased and diminished in length and height.

With the foregoing ends in view the invention will be fully understood from the following description and claim when taken in connection with the accompanying drawings, in which—

Figure 1, is a perspective view partly in section of my improved trestle, and Fig. 2, is a transverse section taken through one of the standards.

Referring by letter to said drawings: A, indicates the legs of my improved trestle, of which two are employed, and B, indicates the horizontal bars which are supported by the legs as will be presently described.

The legs A, are preferably formed from wood and they respectively comprise the lower sections C, and the vertically adjustable section D, which section is formed by two upwardly converging bars *a*, connected at their upper ends as shown, for a purpose presently set forth. The lower sections C, of the legs, which are designed to receive the section D, between them, are provided with a series of transverse apertures *b*, and the said sections are adjustably connected together by the slotted straps E, which are adjustably fixed with respect to each other by a screw or bolt *c*, whereby it will be seen that the lower sections may be spread apart so as to readily receive the section D, and may then be tightened or clamped against the said section so as to rigidly hold the same and take a great part of its weight off the

connecting bolts, presently described. The bars *a*, of the adjustable section D, are preferably connected at a point adjacent to their lower ends by a brace bar *d*, and the said bars are provided with two (more or less) metallic straps which are designed and adapted to embrace the sections C, so as to hold the adjustable section in alignment therewith and prevent straining of the connecting bolts F. These bolts F, of which two are preferably employed in conjunction with each leg, take transversely through the bars of the section D, and the sections C, and serve to securely connect the same, as shown. By the provision of the series of apertures *b*, in the sections C, it will be readily perceived that the section D, may be adjustably fixed with respect to said sections C, whereby the horizontal bars B, may be fixed at various elevations, which is highly desirable, as is obvious.

E', indicates metallic castings which are designed to effect a connection of the bars B, to the upper ends of the sections D. These castings E', are similar in construction and they respectively comprise a thimble *e*, which is designed to receive the upper end of a section D, and a socket *f*, disposed at right angles to the thimble and adapted to receive one of the bars B. The sockets *f*, of the castings E', are provided with transversely-disposed apertures for the passage of connecting bolts *g*, and the bars B, are provided at intervals in their length with transverse apertures *h*, whereby it will be seen that the length of the trestle may be readily increased and diminished when desired.

Suitably connected to each of the horizontal bars B, which are lapped as shown, are rectangular loops or castings F', which are designed to receive the other bar so as to hold the lapped portions of the bars close together and render the connection of the same stiff and rigid.

F², indicates oblique braces which are designed to prevent downward sagging of the bars B, and are also designed to hold the legs A, in a perpendicular position. These braces F², are provided at their upper ends with hooks *i*, designed to engage eyes *j*, upon the bars B, and they are provided at their lower ends with diverging branches *k*, having hooks *l*, designed and adapted to engage eyes *m*,

upon the bars *a*, of the sections D. By this construction it will be seen that the trestle may be increased and diminished in length and height without disconnecting the braces

5 F, which is a highly important desideratum.

It will be seen from the foregoing description that my improved trestle is very simple and durable, that it may be quickly and easily adjusted both as to length and height, and
10 that it may be quickly put up and taken down by a novice.

I have specifically described the construction and relative arrangement of my improved trestle in order to impart a full and clear understanding of the same, but I do not desire
15 to be confined to such specific construction as such changes or modifications may be made, in practice as fairly fall within the scope of my invention.

20 Having described my invention, what I claim is—

In a trestle, the combination of the legs comprising the lower sections, the vertically adjustable section carrying straps adapted to
25 embrace the lower sections, a suitable means

for connecting the adjustable section and the lower sections, the slotted and lapped straps connected to the lower sections, and a suitable means for adjustably fixing said straps with respect to each other, the castings E', 30 comprising a thimble adapted to receive the upper end of the adjustable sections of the legs and a socket disposed at right angles to the thimble, the horizontal bars B, taking through the sockets of the castings E', and 35 lapped as described, the loops F', connected to the bars B, and adapted to receive the same, a suitable means for connecting the bars B, and the oblique braces connected at one end to the adjustable sections of the legs 40 and at their opposite ends to the horizontal bars mounted on the section to which they are connected, all substantially as and for the purpose set forth.

In testimony whereof I affix my signature in 45 presence of two witnesses.

GEORGE H. JAQUESS.

Witnesses:

JOHN C. JAQUESS,

GEORGE F. SEGER.