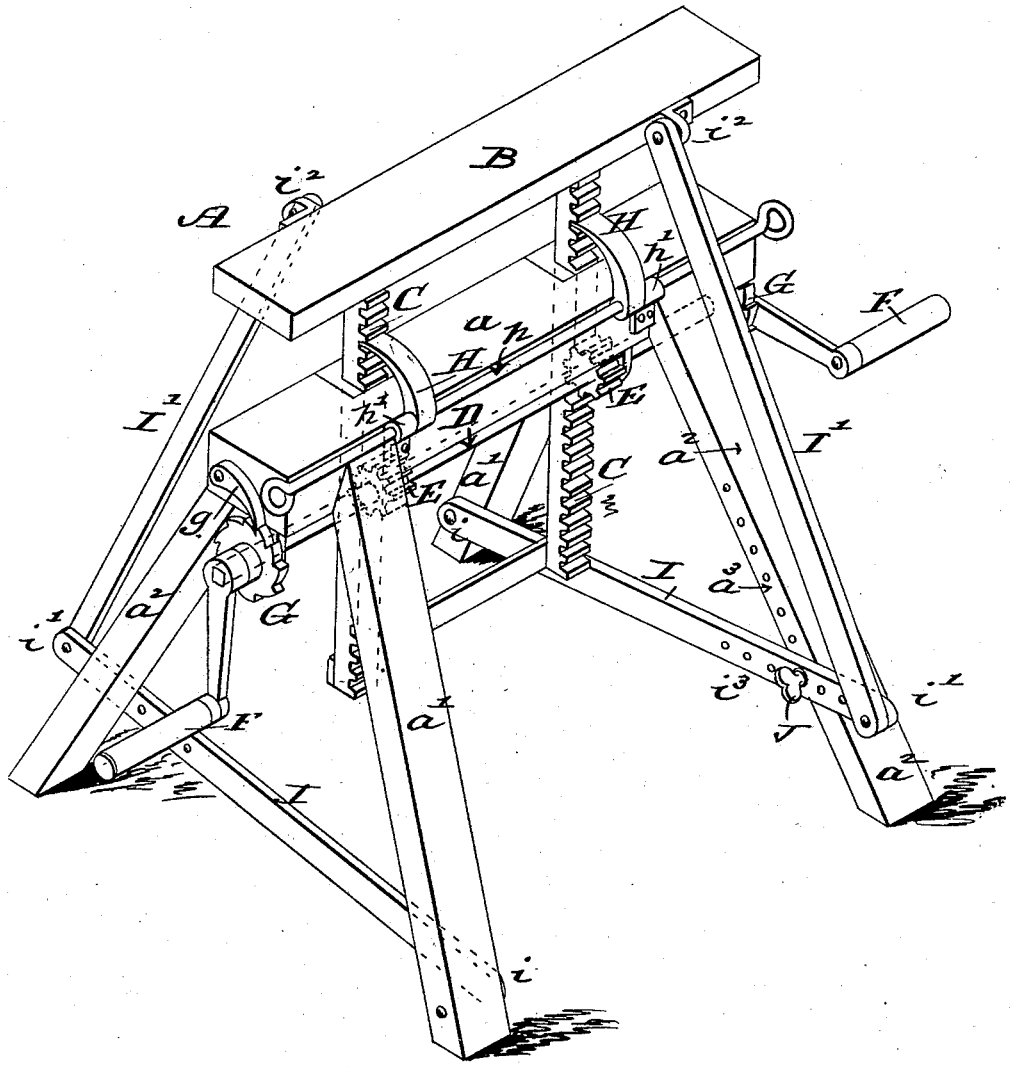
(No Model.)

T. P. MADDOX.

TRESTLE.

No. 264,310. Patented Sept. 12, 1882.



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UNITED STATES PATENT OFFICE.

THOMAS P. MADDOX, OF ST. LOUIS, MISSOURI.

TRESTLE.

SPECIFICATION forming part of Letters Patent No. 264,310, dated September 12, 1882.

Application filed June 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, THOMAS P. MADDOX, of St. Louis, Missouri, have made a new and useful Improvement in Trestles, of which the following is a full, clear, and exact description, reference being had to the annexed drawing, making part of this specification, in which a trestle having the improvement is shown in perspective.

The present invention is an improvement in trestles having extension-tops, and the improvement relates to the means for bracing the top when extended.

Referring to the drawing, A represents a trestle of the kind under consideration, having the top *a* and legs *a' a' a² a²*.

B represents the extension-top. It is attached to and supported by the rack-bars C C, which in turn work vertically upward and downward through the top *a*.

D represents a shaft turning in suitable bearings in the trestle, and provided with pinions E E, which engage with the rack-bars C C. The shaft is also supplied with the cranks F F and the ratchets G G. Pawls *g g* engage with the ratchets G G. By rotating the shaft D the extension-top B is raised to and lowered from the top *a*.

H H represent dogs attached to and turning with the shaft *h*. The shaft *h* turns in the bearing *h' h'*, and it is suitably shaped at the end or provided with a handle, to enable it to be readily rotated in its bearings *h' h'*, and thereby throw the dogs H H into or out of engagement with the rack-bars C C. The dogs aid in securing the extension-top from falling.

It is important that the extension-top be stayed laterally. To this end the jointed arms I I′ come into use. A pair of these arms are employed, one at each end of the trestle. Each arm is in two parts, I and I′, the part I being jointed at *i* to the leg *a'*, the two parts I I′ being jointed together at *i'* and the part I′ being jointed to the extension-top B at *i²*. The part I, as the extension-top is raised and lowered, turns on the joint *i* upward and downward past the leg *a²*. That portion of the part I that comes opposite the leg *a²* has a series, *i³*, of perforations. The leg *a²* has a series, *a³*, of perforations. When it is desired to brace the extension-top at any desired point of elevation a pin, J, is passed through one of the perforations *i³* into the opposite perforation in the series *a³*. The part I′ of the arm then operates as a brace to give lateral support to the top B.

I claim—

1. The trestle A, having the extension-top B and the braces I I′, substantially as described.

2. The combination of the top *a*, the legs *a' a' a² a²*, the rack-bars C C, the shaft D, the pinions E E, the arms I I′, and the pin J, substantially as described.

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Witnesses:
C. D. MOODY,
CHARLES PICKLES.