O. Sliker.

Extension Trestle.

No. 91,979. Patented Jun. 29, 1869.

Fig. 1.

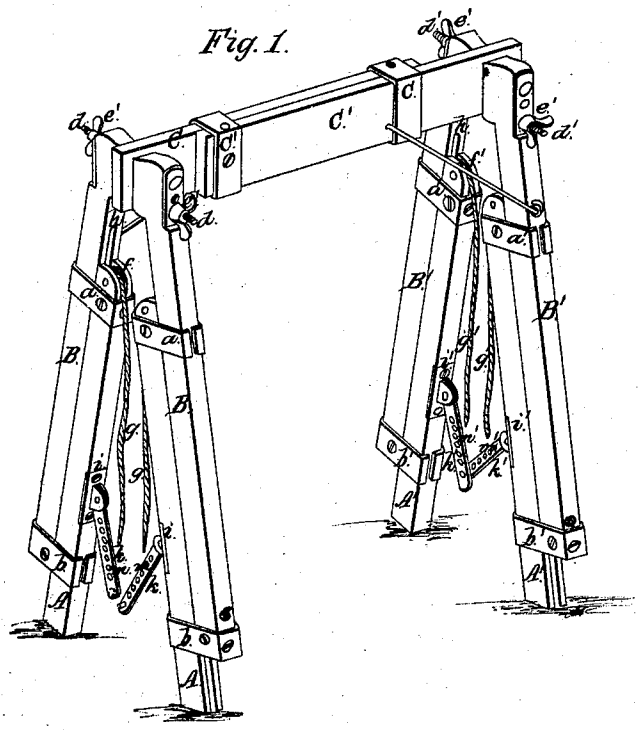
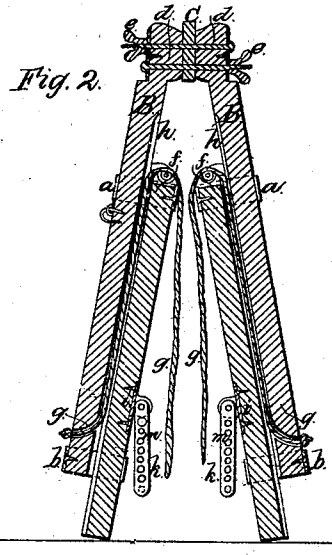


Fig. 2.



Witnesses.
Jacob Bantson
Chas. H. Miller

Inventor.
Otto Sliker

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

OTTO SLIKER, OF LINCOLN, ILLINOIS.

Letters Patent No. 91,979, *dated June* 29, 1869.

IMPROVED EXTENSION-TRESTLE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, OTTO SLIKER, of Lincoln, in the county of Logan, and State of Illinois, have invented a new and useful Improvement in Extension-Trestles; and I do hereby declare the following to be a full and correct description of the same, sufficient to enable others skilled in the art to which my invention relates, to fully understand and use the same, reference being had to the accompanying drawings, which make part of this specification, and in which—

Figure 1 is a perspective view, and

Figure 2, is a section in line *x x*, fig. 1.

Like letters of reference indicate like parts in both figures.

The nature of my invention consists in providing the upper end of the stationary standards, or legs of the trestle, with a sheave, over which a rope passes, this rope being attached to the foot of the sliding legs, and operating in a groove in the inner face of the same. Also, in the manner of attaching the legs, or standards to the cross-beams, and of steadying the whole apparatus.

A A′, in the drawings, may represent the lower or stationary legs of the trestle, provided at their top with bands, *a a′*, which grasp the movable, or sliding legs B B′, and being grasped themselves by bands, *b b′*, attached to the lower ends of the legs B B′.

C C′ are the cross-beams, being provided, at opposite ends, with bands, *c c′*, grasping each other's free ends. These cross-beams are connected, C to the legs B, and C′ to the legs B′, by means of screw-bolts *d d′*, two bolts on each end passing through the legs and cross-beams in opposite directions, being secured by thumb-nuts, *e e′*, so that by unscrewing the latter, the trestle can be quickly taken to pieces, packed into a small compass, transported to any desired place, and then erected in a very few moments.

In the top of the legs A A′, I provide sheaves, *f f′*, over which ropes, *g g′*, pass inwardly, down a groove, *h*, in the legs B B′, and through the lower end of the latter legs, to which they may be secured by a knot, as shown in the drawings, or in any other suitable manner. By pulling these ropes *g g′*, the legs B B′ are elevated, as will be easily understood.

On the inner faces of the legs A A′ are provided lugs, or ears *i i′*, between which flat bars, *k k′*, are pivoted, said bars having pins, *l l′*, at their ends, and being provided with holes *m m′*, in such a manner that when the bars are placed parallel to each other, the pin of each bar will seize in a corresponding hole in the contiguous bar, and thus hold and steady the trestle at whatever distance the lower legs A A′ may be apart.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination and arrangement, in an extension-trestle, of sliding legs A A′, B B′, sliding cross-beams C C′, screw-bolts *d d′*, thumb-nuts *e e′*, bands *a a′*, *b b′*, *c c′*, sheaves *f f′*, ropes *g g′*, slots *h*, ears *i i′*, bars *k k′*, pins *l l′*, and holes *m m′*, all arranged and operating as described and shown.

OTTO SLIKER.

Witnesses:

JOSEPH COVINGTON,

CHAS. H. MILLER.