(No Model.)

S. TUCKER.

ADJUSTABLE SCAFFOLD.

No. 348,359. Patented Aug. 31, 1886.

Fig. 1.

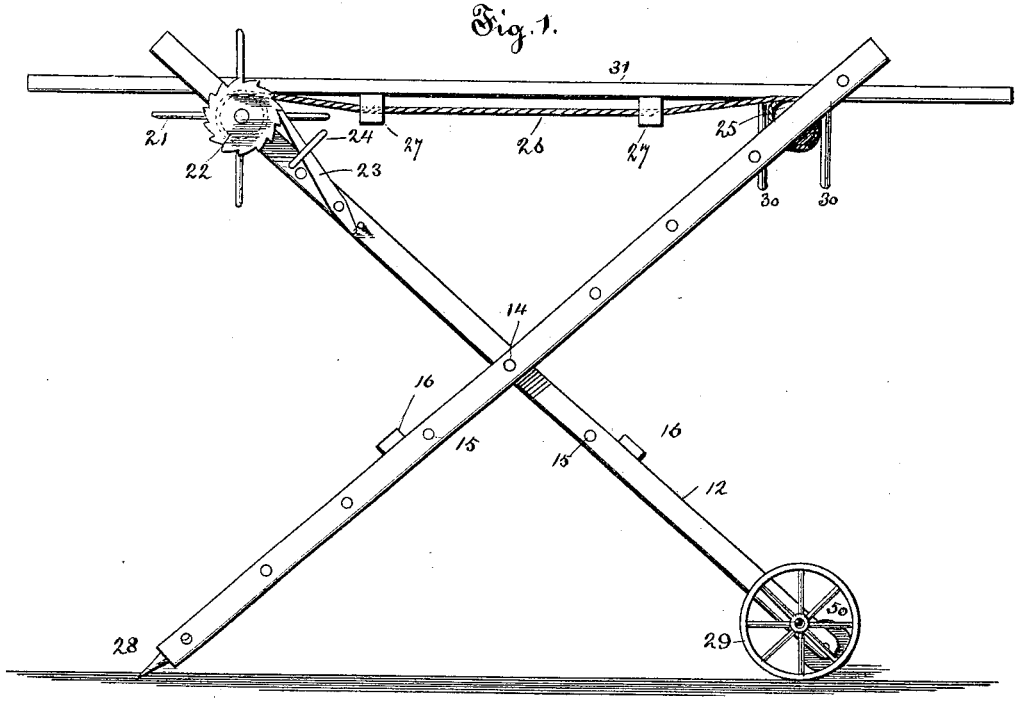
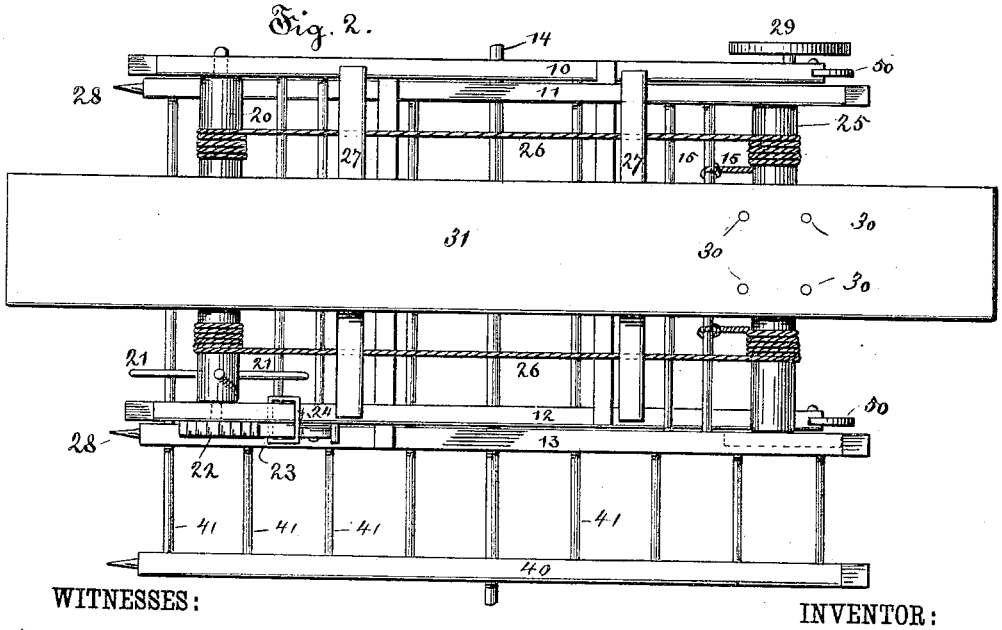


Fig. 2.



WITNESSES:

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SAMUEL TUCKER, OF PLEASANTON, KANSAS.

ADJUSTABLE SCAFFOLD.

SPECIFICATION forming part of Letters Patent No. 348,359, dated August 31, 1886.

Application filed June 15, 1886. Serial No. 205,244. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL TUCKER, of Pleasanton, in the county of Linn and State of Kansas, have invented a new and Improved Adjustable Scaffold, of which the following is a full, clear, and exact description.

My invention relates to the construction of a cheap, durable, and efficient scaffold which may be used by carpenters, painters, masons, in fact, by mechanics generally, the scaffold being so constructed that it may be adjusted as to height as the work progresses, this adjustment being brought about by means of a windlass arranged upon the scaffold within reach of the mechanic as he stands upon the platform, thus saving time and trouble and avoiding the necessity of descending to the floor or to the ground.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in both the figures.

Figure 1 is a side view of my improved form of scaffold, and Fig. 2 is a plan view of the same.

In constructing such a scaffold as the one illustrated in the drawings above referred to, I pivotally connect four main strips or beams, 10, 11, 12, and 13, by means of a central pivot-strip, 14, these beams being properly braced by cross-rounds 15 and by cross-strips 16, that are arranged in the manner clearly indicated in the drawings. Upon the upper ends of the beams or side bars, 10 and 12, I mount a windlass, 20, provided with hand-bars 21 21 and with a ratchet-wheel, 22, that is engaged by a pawl, 23, said pawl being quite long and heavy, so that it will act through the force of gravity, and thus avoid the necessity of providing a spring.

In order that the pawl 23 may not become accidentally thrown over, I provide a loop, 24, that is carried by the side bar, 12, the pawl being arranged to ride within the loop, as clearly indicated.

Between the upper ends of the side bars, 11 and 13, I mount a heavy cross-bar, 25, about which there are passed ropes, 26, the ends of said ropes being secured to the upper round, 15, as shown in the drawings. These ropes 26 carry cross-strips 27, and are wound upon the windlass 20.

To the bottom of the side strips, 11 and 13, I secure pointed shoes 28, while to the bottom of the side strips, 10 and 12, there are secured wheels 29.

The platform 31, upon which the mechanic is to stand, is provided with two or more downwardly-extending pegs, 30.

In connection with one of the outer strips, 10 or 13, there is arranged an auxiliary strip, 40, between which and the strip in connection with which it is arranged there are placed ladder-rounds 41.

In operation, by winding up the ropes 26, the mechanic may adjust the height of the platform 31 to suit the requirements of his work, this adjustment being accomplished without leaving the platform.

In some cases I have found it desirable that the scaffold should be supplied with wheels, as 50, and in practice I prefer two sets of wheels, as 29 and 50, the idea being to provide for the easy adjustment of the scaffold and for its transportation from place to place.

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

1. In a scaffold, the combination, with pivotally-connected side strips, 10, 11, 12, and 13, that are properly united and braced, of pointed shoes carried by two parallel strips, wheels carried by the other strips, a windlass, 20, and ropes or chains 26, substantially as described.

2. In a scaffold, the combination, with pivotally-connected strips 10, 11, 12, and 13, that are arranged in pairs, each pair being properly united and braced, of shoes carried by one pair of strips, wheels carried by the other, a windlass, ropes 26, a ratchet and its pawl arranged in connection with the windlass, and a side ladder made up of an auxiliary strip and rounds 41, substantially as described.

SAMUEL TUCKER.

Witnesses:

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