

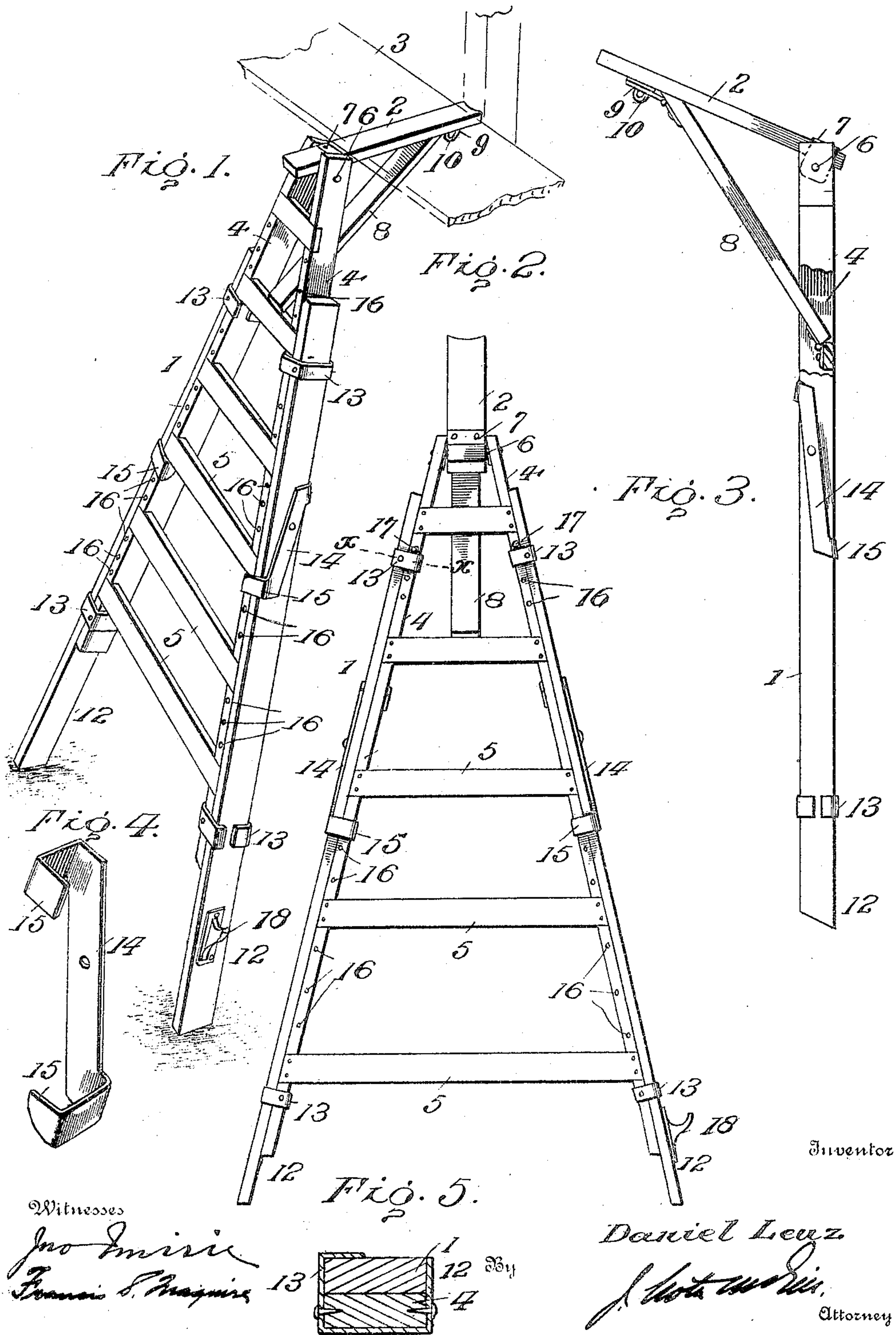
No. 818,268.

PATENTED APR. 17, 1906.

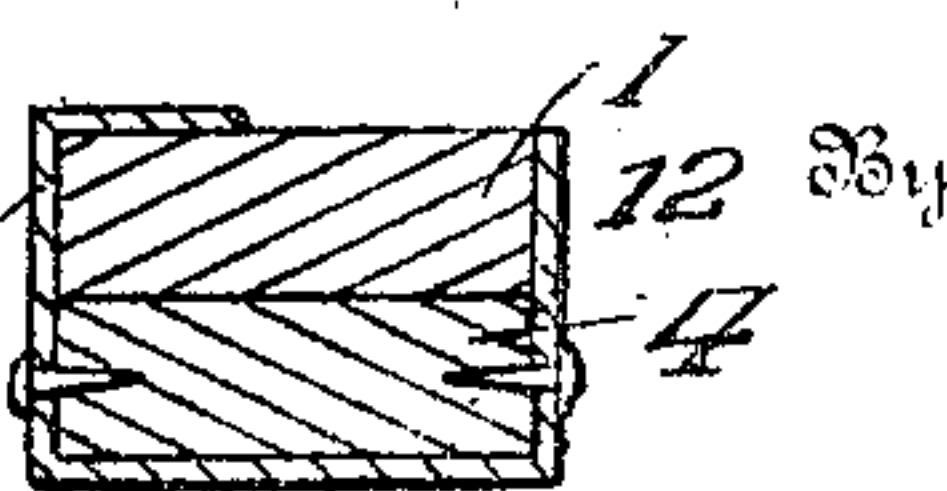
D. LEUZ.
SCAFFOLD.

APPLICATION FILED APR. 5, 1905.

2 SHEETS—SHEET 1.



Witnesses
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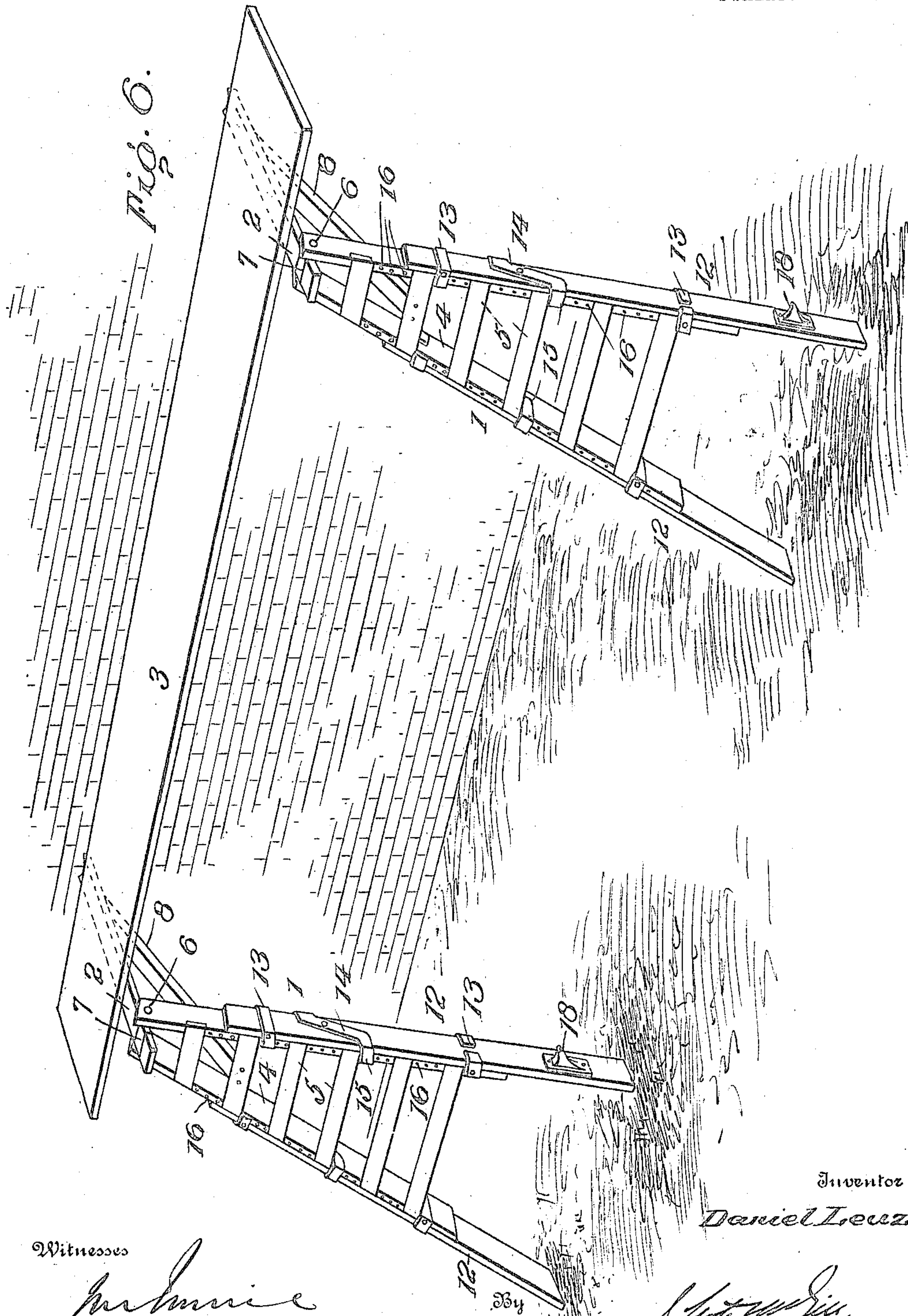
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UNITED STATES PATENT OFFICE.

DANIEL LEUZ, OF IOWA CITY, IOWA.

SCAFFOLD.

No. 818,268.

Specification of Letters Patent.

Patented April 17, 1906.

Application filed April 5, 1905. Serial No. 253,977.

To all whom it may concern:

Be it known that I, DANIEL LEUZ, of Iowa City, in the county of Johnson and State of Iowa, have invented certain new and useful
5 Improvements in Scaffolds; and I do hereby 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.

10 The object of this invention is to provide a scaffold especially adapted for painters and paper-hangers and capable of being readily extended, as well as adjusted to suit uneven ground or side hills.

15 The invention will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view, in perspective, of one of the supports.
20 Fig. 2 is a front view of the same member. Fig. 3 is a side view. Fig. 4 shows one of the stirrups detached. Fig. 5 is a cross-section on line *x x*, Fig. 2. Fig. 6 is a view, in perspective, of the scaffold as a whole.

25 Referring to the drawings, 1 1 designate two inclined supports, 2 2 two horizontally-disposed arms which are designed to bear at their outer ends against the side or wall of a building or the like, and 3 horizontally-disposed boards resting on the arms 2.

30 The supports 1 consist each of a ladder member 4, having divergent sides connected by rungs 5. Between the upper convergent ends of the divergent sides of the ladder the arm 2 is pivotally secured by a bolt 6, passed through the flanged ears of a plate 7, secured to said arm. The latter is supported at its
35 outer end by a diagonal brace 8, hinged at its lower end to one of the rungs of the ladder, and at its outer end carries a hinged hasp-plate 9 to accommodate the hasp 10, depending from the arm. Any suitable fastening device may be inserted through the hasp to prevent accidental displacement of the brace.

45 The latter is of such length as to insure the arm 2 being in a horizontal position while the ladder is in an inclined position. The outer end of the arm 2 is preferably recessed or concaved, so that its contact with the wall or
50 building will be only at the edges. By placing two of these supports side by side, with the ends of their arms bearing against the wall or side of a building, the cross-boards 3 will, like the arms 2, occupy horizontal posi-
55 tions, thus forming a support for three or

four men, more or less, according to the strength of the parts.

12 12 designate extensible legs secured to the divergent sides of the ladder by keeper-plates 13, which permit the legs to be readily
60 moved inwardly or outwardly. The retention of each leg is secured by two keeper-plates, one being attached to the leg itself and engaging the adjacent side of the ladder, while the other plate is secured to such side
65 and engages the adjustable leg. 14 14 designate stirrups pivotally secured to the outer sides of these legs and having flanged ends 15, which overlap the side edges of the ladder as well as the edges of the legs. The lower
70 flanged ends 15 of these stirrups are designed to engage the under or lower edge of a ladder-rung, so as to thereby hold its respective leg in its extended position, preventing the lowering of the ladder. When, however, it is
75 desired to adjust these legs to accommodate uneven ground or side hills, necessitating the legs being held at points which render the use of the stirrups impossible other than for the secondary function of serving to retain
80 the legs and the ladder in proper relative positions as against spreading, I form in each of the sides of the ladder a series of holes 16 to accommodate removable pins 17. By placing the latter in any one of these holes above
85 the upper keeper-plate 13 a leg will be readily retained in its extended position.

18 designates a step secured to the outer face of one of the adjustable legs, so that
90 when the length of the support is extended an operator may readily reach the ladder member. This step is preferably formed from a single piece of metal curved to provide a foot-rest. It is bolted at its upper and
95 lower ends.

The advantages of my invention are apparent. It will be readily seen that by means thereof an extensible support for a scaffolding is secured and that the same may
100 be applied to buildings of different heights and likewise be of any capacity desired. It is also manifest that the support may be used to work on stairways, either or both legs being adjusted, and that inequalities in the soil do not interfere with the use of the scaffold.
105 When being transported or not in use, the brace and the arm of each support may be folded against the ladder portion thereof, and thus be kept out of the way, since the ladder is so constructed that such parts when folded
110

inwardly will be substantially within the plane of the sides or stiles of the ladder. A scaffold of the character herein described is simple and inexpensive and not liable to readily get out of order.

I claim as my invention—

1. In a scaffold, an inclined support comprising a ladder-section having sides and connecting-rungs, an arm, means for permanently pivotally securing one end of such arm between the upper ends of said sides, a brace hinged at its lower end to one of said rungs, and means for detachably securing the outer end of said brace to said arm, said ladder-section being constructed to permit the arm and brace to be folded between the sides thereof.

2. The scaffold-support herein described comprising a ladder member composed of a series of rungs and sides, extensible legs fitted against said sides, keeper-plates for retaining the legs in proper positions relatively to said sides, and stirrups pivotally secured to said legs and having upper and lower flanged ends overlapping the latter and the sides of the ladder, the lower flanged ends of said stirrups being designed to engage the under side of a ladder-rung for holding the legs in their extended positions.

3. A scaffold comprising two inclined supports and horizontally-disposed arms upon which cross-boards are designed to rest, each support consisting of a ladder member having sides formed with holes or openings, extensible legs secured to said sides, keeper-

plates overlapping the sides and legs for retaining the latter in proper positions relatively to said sides, some of said keeper-plates being secured to and movable with said legs, removable pins designed to fit in said holes or openings, above such keeper-plates and steps secured to the sides of said extensible legs, said horizontally-disposed arms being pivotally mounted between said sides, and inclined braces for supporting said arms, as set forth.

4. A scaffold comprising two inclined supports, each support consisting of a ladder-section having divergent sides and connecting-rungs, extensible legs, an arm permanently pivotally secured at its inner end between the convergent ends of said sides, an inclined brace pivoted to one of said rungs and detachably engaging said arm, keeper-plates for retaining the legs in proper position relatively to said sides, stirrups pivotally secured to said legs and having lower flanged ends for engaging the under side of a ladder-rung, and cross-boards designed to rest on and be supported by the arms of two inclined supports, said ladder-section being constructed to permit the arm and brace to be folded down between the sides thereof.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

DANIEL LEUZ.

Witnesses:

M. J. WADE,
JAMES KAZZISHEK.