C. W. LEVANDER.

ADJUSTABLE AND REVERSIBLE ROOF AND LADDER SCAFFOLDING BRACKET.

APPLICATION FILED SEPT. 27, 1909.

960,565. **Patented June 7, 1910.**

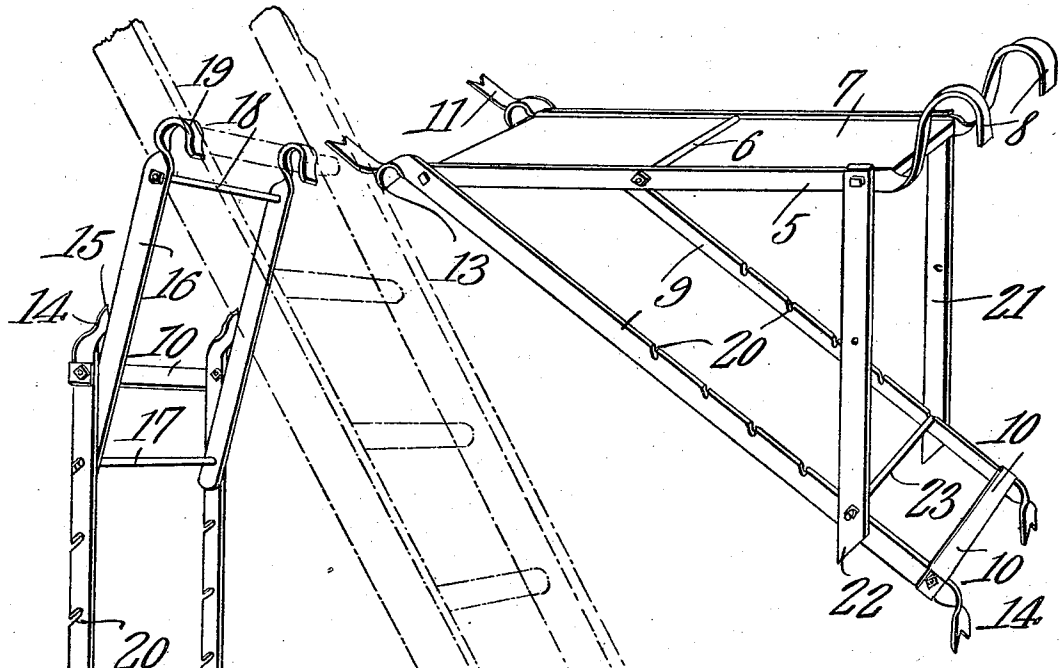

Fig. 2.

Fig. 1.

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UNITED STATES PATENT OFFICE.

CHARLES W. LEVANDER, OF STROMSBURG, NEBRASKA.

ADJUSTABLE AND REVERSIBLE ROOF AND LADDER SCAFFOLDING-BRACKET.

960,565. Specification of Letters Patent. Patented June 7, 1910.

Application filed September 27, 1909. Serial No. 519,892.

To all whom it may concern:

Be it known that I, CHARLES W. LEVANDER, a citizen of the United States, residing at Stromsburg, in the county of Polk and State of Nebraska, have invented a new and useful Adjustable and Reversible Roof and Ladder Scaffolding-Bracket, of which the following is a specification.

It is the object of the present invention to provide a device to be used by painters and carpenters which device may be either applied to an ordinary ladder or may be disposed upon a sloping roof, it serving in either instance to support a platform or scaffold board.

One aim of the invention is to so construct the device that it may be applied to a ladder disposed at practically any angle against a wall or may be mounted or disposed upon a roof sloping at practically any angle.

It is a further aim of the invention to so construct the device that not only may it be applied to or supported from a ladder disposed at any angle but may be so applied to a ladder regardless of the distance between the rungs thereof.

With the above and other objects in view, the invention consists in the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the device illustrating the same applied to a ladder, the latter being shown in dotted lines. Fig. 2 is a similar view showing the same arrangement for disposal upon a sloping roof.

In the drawings, the device is illustrated as embodying a platform section or more specifically speaking, a section upon which may be disposed a platform or scaffold board, and sections which are so connected to the platform section and so arranged with respect thereto as to support the same either from a ladder or upon a sloping roof.

In the drawings, the platform section of the device is illustrated as comprising spaced parallel side bars 5 which are connected by bolt rods 6 and these rods are passed at their ends through the side bars 5 in such a manner as to support a platform or board, indicated by the numeral 7, this board being disposed, in the present instance, upon two of the bolt rods 6 and having a third bolt rod passing above it at a point between the two first mentioned bolt rods. It will be understood, however, that while only three bolt rods are here shown, a greater or less number may be employed, if found expedient. At their forward ends, the side bars 5 of the platform section of the device are bent to extend upwardly and are finally bent over to afford hooks 8 which are of such size and are so arranged as to be readily engageable with a ladder rung.

One of the supporting sections for the platform section is indicated in general by the reference character A and it is in the nature of a frame including side bars 9 which, at their lower ends, are pivotally connected to the rear one of the bolt rods 6 and at their upper ends are connected by a cross bar, which is indicated by the numeral 10 and which has its ends turned at right angles and bolted to the said ends of the side bars. For a purpose which will be presently explained, the lower ends of the side bars 9 are bent forwardly downwardly, as at 11 and their extremities are formed with spurs 12, the bars at their said ends being also formed each at one lateral edge with a spur 13 which projects approximately at right angles from the plane of the side bars 9. At their upper ends, the side bars 9 are formed with off-set extensions 14 which are also provided at their extremities with spurs indicated by the numeral 15.

When the device is to be supported from a ladder, as for example, as shown in Fig. 1 of the drawings, a supporting frame is employed in addition to the supporting frame A and this frame comprises side bars 16, connected by rods 17 and 18, the rod 17 being located adjacent the lower ends of the frame and the rod 18 adjacent the upper end of the frame. The upper ends of the said side bars 16 of this supplemental supporting frame are bent to afford hooks 19. In their rear edges, the side bars 9 of the frame A are formed with a number of upwardly angularly extending notches 20, and as will be observed from inspection of Fig. 1 of the drawings, the ends of the rods 17 project beyond the respective side bars 16 of the supplemental frame and are engageable in the notches 20 interchangeably, the side bars 16 of this supplemental supporting frame when the extremities of the rod 17 are so engaged, extending in front of the cross bar 10 and between the spurs 15 at the extremities of the off-set upper ends of the side bars 9 of the frame A, the supplemental frame being in this manner braced with

respect to the supporting frame A. When the several sections of the device have been assembled, as above described, the hooks 8 and 19 are engaged with the rungs of the ladder, as illustrated in Fig. 1 of the drawings, and with such rungs as will result in the platform section being supported in horizontal position.

It will be understood, of course, that in using the device in this manner, two or more ladders are disposed against a wall and upon each of the ladders is arranged one of the devices in the manner above described, a platform or scaffold board being disposed upon the platform sections of the several devices and being supported thereby in a horizontal position.

It will be readily understood from the foregoing that the supplemental supporting frame may be easily detached from the supporting frame A and this is done when it is desired to use the device on a sloping roof. When the device is so employed, the supporting frame A is disposed upon the surface of the roof with the extensions 11 projecting beneath certain shingles of the roof should the roof be of this character and with the lateral spurs 13 biting into the shanks next beneath, also with the spurs 15 biting into a lower portion of the roof surface. To adapt the device for this use and to provide means for supporting the platform section thereof in horizontal position, bars 21 are pivoted at their upper ends to the forward one of the bolt rods 6 and at their lower ends are beveled to a point, as at 22, so as to dig into the roof surface, they being connected and braced in parallel relation adjacent their lower ends by a cross rod 23. Not only do the lower ends of the bars 21 dig into the roof surface, as stated above, but the cross rod 23 seats interchangeably in the notches 20 with the supporting frame A of the device whereby the platform section may be positioned in a horizontal plane regardless of the angle of inclination of the roof. When the device is positioned upon a sloping roof it may be used as a platform to support a person working on the roof or several of the devices may be disposed upon the roof and a platform or scaffold board may be disposed upon the platform sections of the several devices.

What is claimed is:

In a device of the class described, a platform section, means at one end of the section for supporting the same from a ladder, a supporting frame connected to the other end of the section and including side bars formed each with a plurality of notches, and a supplemental supporting frame adapted at its upper end for connection with the ladder and having at its lower end a rod engageable in the notches interchangeably.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES W. LEVANDER.

Witnesses:
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