(No Model.)

J. ANDERSON.

SCAFFOLDING.

No. 470,032. Patented Mar. 1, 1892.

Fig. 1.

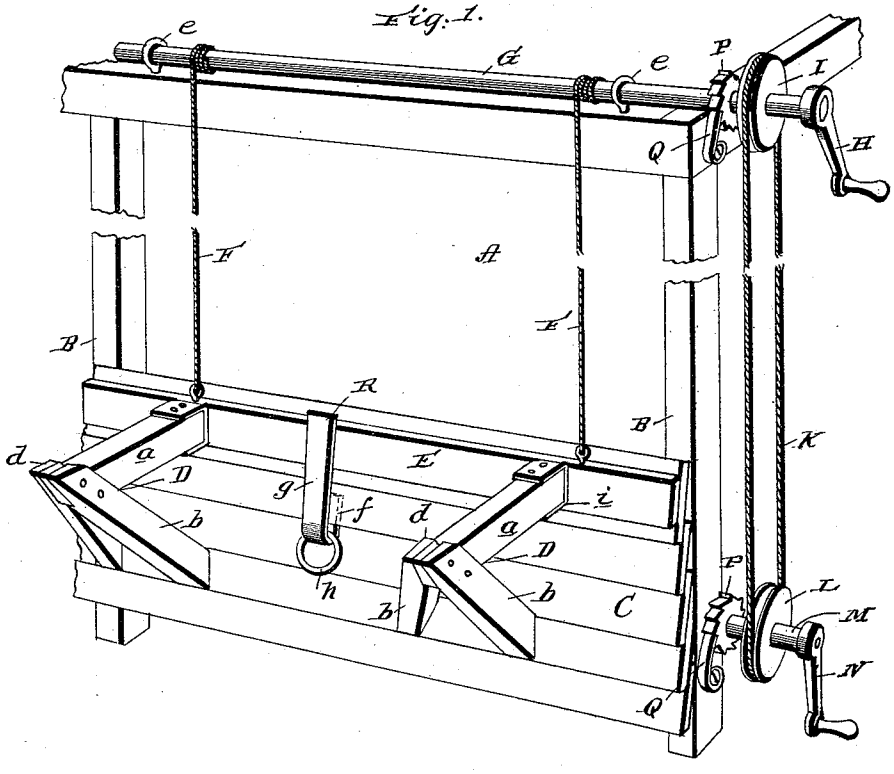
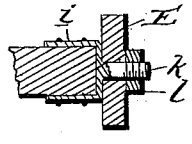


Fig. 2.



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SCAFFOLDING.

SPECIFICATION forming part of Letters Patent No. 470,032, dated March 1, 1892.

Application filed June 15, 1891. Serial No. 396,394. (No model.)

To all whom it may concern:

Be it known that I, JAMES ANDERSON, a citizen of the United States, residing at Harrodsburg, in the county of Mercer and State of Kentucky, have invented certain new and useful Improvements in Scaffolding; and I do 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.

This invention relates to an improvement in scaffolding to be used by workmen in the erection of buildings and is designed for use by carpenters and others.

The invention has for its object to provide at a minimum expense a scaffolding which will be very durable and effective for carpenters and others and may be quickly adjusted and securely held in position while laying weather-boarding.

The invention will be fully understood from the following description and claims when taken in connection with the annexed drawings, in which—

Figure 1 is a view in perspective of my improvements, showing the same applied to a portion of the structure to be used by carpenters in laying weather-boarding. Fig. 2 is a sectional detail view of the same.

Referring by letter to said drawings, A indicates a portion of the frame-work of a house or other structure in the course of erection, and B indicates the corner posts or studding.

C indicates the weather-boarding of the structure.

D indicates the improved brackets. These brackets are composed of a horizontal branch *a* and two laterally-diverging legs *b*, secured at their upper ends *d* to the outer end of the branch or bar *a*, so that said ends *d* may project above the upper side of the bar *a*, as shown. The lower ends of these legs *b* are pronged, as shown at *c*, so that they may take into the weather-boarding or wall beneath and sustain the branch or bar *a* in a horizontal position, as will be presently described. In the present illustration of my invention I have shown two of these brackets connected by the board or bar E, so that by moving the board the brackets will be carried therewith and adjustably secured with respect to the wall. Boards may be thrown over the brackets for the workmen to stand on. This connecting-board E is of a sufficient length to bear against two or more of the studding and is suspended by means of vertical ropes F from a horizontal shaft G, bearing in the top of the building or structure, as shown, so that by turning the shaft in one direction, as will be presently described, the connecting-board, and consequently the brackets carried thereby, may be raised to the desired altitude, and when turned in the opposite direction said parts may be lowered. The shaft G is here shown as bearing in eyebolts *e*, although it is obvious that other supports may be employed, and said shaft is provided at one or both ends with a crank-arm H, whereby said shaft may be manipulated from above, and the shaft is furthermore provided with a pulley I, fixed thereto to receive an endless rope K, which passes over a similar pulley L, secured to a shaft M, journaled in the structure near the lower end thereof, and also carries a hand-crank N for the manipulation of the same. These shafts G and M are respectively provided with a ratchet-wheel P, and a spring or other suitable pawl Q is fixed at a point on the structure to engage the teeth of said pawls, so as to lock the shafts from turning in one direction, but allow them to turn in an opposite direction.

R indicates a clasp or clamp, which is designed to hold the connecting-board E in position against the wall. This clamp may be composed of a bar of spring-steel or other suitable material bent, as shown, so that the short branch *f* may take under the lower edge of one of the weather-boarding, as shown, and the outer or longer branch *g* may press against the face of said board E, so as to press the same against the studding and last-set board, and this clamp may be provided with a ring *h* for convenience. By the employment of this spring-clamp it will be seen that the board E will be firmly held against the last-set board, as shown, and may be quickly removed and replaced when setting a new board. It will be observed that the board to be set is placed on the upper edge of the connecting-board E in a position overlapping the upper edge of the last-set board where the two are nailed together, and by this means the board

E may not only serve as a rest for the weather-boarding, but may also serve as a gage for the set of the boards.

It will be seen that the inner end of the bar *a* is provided with a metallic strap *i*, taking around said end and carries a bolt *k*, which passes through a hole in the board E and is secured therein by means of a nut *l*.

Having described my invention, what I claim is—

1. In a scaffolding, the combination, with a bracket having legs, a board secured to said bracket, and a clamp for holding the board to the weather-boarding of the structure, substantially as specified.

2. The brackets having the legs and also having horizontal branches, in combination with the board connecting said brackets, the clamp for holding the board to the weather-boarding of a structure, ropes suspending said board, and suitable means connected with said ropes for adjustably sustaining the board and brackets, substantially as specified.

3. The brackets having horizontal branches and legs secured at their outer ends, in combination with the board secured to the inner ends of the horizontal branches of the brackets, the clamp R, adapted to embrace a weather-board and bear against the connecting-board of the bracket, and the suspending-ropes secured to said board and secured at their opposite ends to a shaft, whereby said brackets and board may be adjusted vertically, substantially as specified.

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