(No Model.)

S. DALE.

BUILDER'S SCAFFOLD OR MORTAR BOARD.

No. 283,214. Patented Aug. 14, 1883.

FIG. 1.

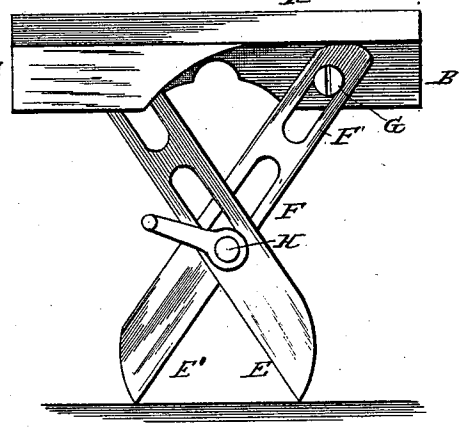


FIG. 2.

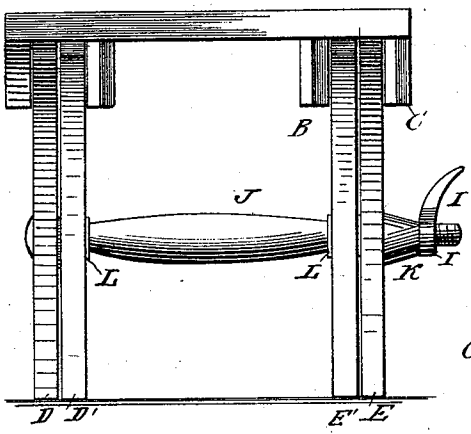


FIG. 3.

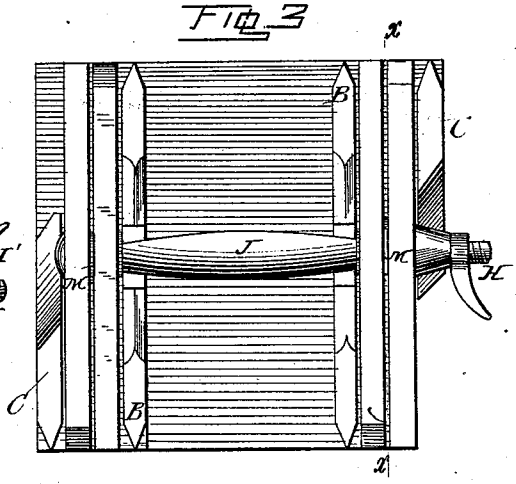


FIG. 4.

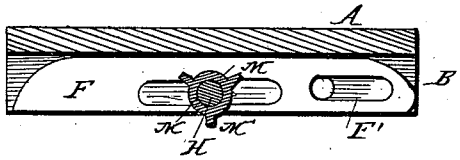
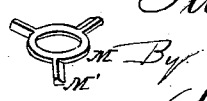


FIG. 5



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UNITED STATES PATENT OFFICE.

SAMUEL DALE, OF BOONESBOROUGH, IOWA.

BUILDER'S SCAFFOLD OR MORTAR-BOARD.

SPECIFICATION forming part of Letters Patent No. 283,214, dated August 14, 1883.

Application filed July 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL DALE, a citizen of the United States, and a resident of Boonesborough, in the county of Boone and State of Iowa, have invented certain new and useful Improvements in Builders' Scaffolds or Mortar-Boards; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of my improved builder's scaffold or mortar-board, showing the legs or supporting-standards extended. Fig. 2 is an end view of the same. Fig. 3 is a bottom plan view of the scaffold with the legs in a closed position. Fig. 4 is a cross-sectional view on line *x x*, Fig. 3; and Fig. 5 is a detail view of one of the winged washers.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to builders' scaffolds or mortar-boards, adapted to be used by masons, plasterers, painters, and others, which are constructed to operate upon the lazy-tongs principle; and it consists in the detailed construction and combination of parts of the same, as will be hereinafter more fully described and claimed.

In the accompanying drawings, A represents the top board of the scaffold, to the under side of which the cross-pieces B B and the pieces C C, which latter extend only halfway across the board, are fastened.

D D′ and E E′ represent the legs of the scaffold, each leg being provided with two longitudinal slots, F F′, the slot F being situated at the middle part of the leg, while the slot F′ is situated in the upper part of the leg. The adjustable legs D D′ and E E′ are secured to the cross-pieces B B and the pieces C C by means of bolts G, passing through the slots F′ in the upper ends of the legs, and inserted into the cross-pieces B B and the two pieces C C, as will readily be understood by reference to the drawings.

H represents a metal rod passing through the slots F in the middle part of each of the legs, and provided at one end with a head to hold it in position, and having the other end screw-threaded for the reception of a nut, I, having a handle, I′, by which it can be conveniently turned.

J indicates a tubular brace surrounding the middle part of the rod H, and serving as a brace to prevent the legs on either side from being bent toward each other out of position when the nut I is turned to tighten the frame.

K indicates a washer placed upon the end of the rod H, between the nut I and the side of the leg.

L L represent washers placed between the ends of the tubular brace J and the sides of the legs D and E.

M M represent washers, which are provided with wings M′ M′, one edge of each of the wings being beveled and sharpened, as shown in Fig. 5. These washers are placed upon the rod H, one between the legs D D′ and the other between the legs E E′, the beveled wings M′ M′ on the said washers being adapted to cut into the meeting sides of the legs D D′ and E E′ when the nut I is turned to tighten the frame, thereby binding the legs between which they are placed together, so as to act as an additional support when the scaffold is secured at a low height, or when a heavy load is placed upon the said scaffold. The lower edges of the cross-pieces B B are cut out or recessed at their center for the reception of the brace J when the legs are shut down or closed.

By constructing my improved builder's scaffold or mortar-board in the manner described I am not only enabled to extend and close the legs so as to vary the height of the scaffold above the ground or floor, but I can also adjust the length of each leg separately to fit any inequality of the ground, and also incline the scaffold at any desired angle to suit the position of the workman. When closed the scaffold occupies but little space, while the rounded brace J can be used as a handle in lifting it from place to place.

From the foregoing description, taken in connection with the accompanying drawings, the construction of my improved builder's scaffold or mortar-board will readily be understood without requiring further explanation.

It will be seen that my improved scaffold or

mortar-board is simple in construction, exceedingly convenient to use, and, being devoid of all complicated mechanism, will stand rough usage without breaking or getting out of order.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of the top A, having cross-pieces B B and pieces C C, adjustable legs D D′ and E E′, provided with longitudinal slots F F′, bolts G, connecting-rod H, washers M M, having beveled wings M′ M′, and arranged as described, tubular brace J, surrounding the central part of the connecting-rod, and nut I, having handle I′, and adapted to work upon the screw-threaded end of the connecting-rod H, all constructed and combined substantially as and for the purpose shown and described.

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

SAMUEL DALE.

Witnesses:
A. J. BARKLEY,
JAS. RUSH LINCOLN.