No. 669,288.

Patented Mar. 5, 1901.

S. B. SHORT.

SWINGING STAGING.

(Application filed June 29, 1900.)

(No Model.)

Fig. 4

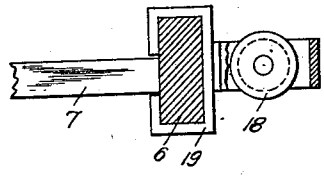


Fig. 1

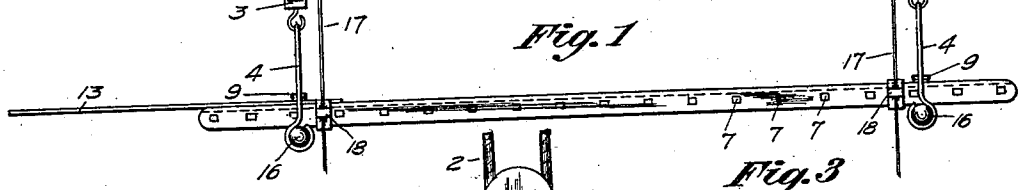


Fig. 3

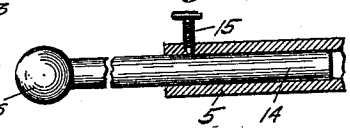
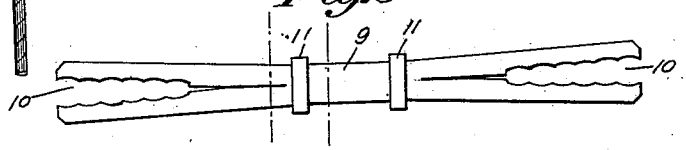


Fig. 6



Fig. 2

Fig. 5



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UNITED STATES PATENT OFFICE.

STEPHEN B. SHORT, OF ALLEGHENY, PENNSYLVANIA.

SWINGING STAGING.

SPECIFICATION forming part of Letters Patent No. 669,288, dated March 5, 1901.

Application filed June 29, 1900. Serial No. 22,047. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN B. SHORT, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Swinging Staging, of which the following is a specification.

This invention relates to swinging stages used by painters and others for gaining access to the exteriors of buildings; and one object thereof is to provide a stirrup of improved form, combined with an adjustable shore or brace for holding the stage at proper distance from the wall.

A further object is to provide improved means for securing the stage in the stirrup and for securing an extension-board to the stage.

A further object is to provide the stage with sheaves over which the fall-lines pass, avoiding the frictional contact with the stage side and resultant wear to which the lines heretofore have been subjected.

The invention consists in the novel structural features and combination and arrangement of parts hereinafter fully described and claimed, and illustrated by the accompanying drawings, wherein—

Figure 1 is an elevation of a staging provided with my improvements. Fig. 2 is an end view. Fig. 3 is a detail view of the shore or brace. Fig. 4 is a similar view of the fall-line sheave. Fig. 5 is a plan view of the stage-clamping bar. Fig. 6 is a cross-sectional view of the clamping-bar.

Referring to the drawings, 2 indicates the fall-lines, provided with the usual pulley-blocks 3, from which the usual stirrup-loops 4 are suspended. Each of said loops is provided at its lower end with a tubular cross-bar 5, to which the loop extremities are welded or otherwise secured.

6 is the stage or swing, resting on bars 5, 7 the cross bars or strips, and 8 the floor-board, resting on strips 7. The stage is confined on bars 5 and held against slipping therefrom when in inclined position by transverse clamping-bars 9, each bar being split or kerfed at the ends at 10 to embrace stirrup-loop 4, the split ends being contracted on the latter by sliding sleeves 11. The sleeves are held on the bars by their ends or extremities being turned into and sliding in longitudinal grooves 12 in the bar edges. Thus the stage is securely clamped within the stirrup and accidents caused by the stage slipping from the stirrups when in inclined position are avoided. The clamping-bar 9 at either stirrup may be utilized for confining an extension-board 13, as seen in Fig. 1, which is thus securely held, avoiding necessity of tying with ropes, as heretofore.

Adjustable longitudinally in each of tubular bars 5 is a projecting shore or brace 14, secured by screw 15 and at its extremity provided with buffer 16 for engaging the wall. The shores or braces may be arranged at either end of bars 5. They prevent tilting of the stage, as they are in line vertically with the fall-lines and are at the base or bottom of the stage. Heretofore it has been usual to nail projecting strips to the stage to hold the latter at proper distance from the wall; but such strips have to be changed or readjusted for each job and being secured only temporarily often work loose and cause serious accidents. Also by reason of the strips being secured to the top of the stage above the plane of the stage-supports the stage is liable to tip, and the same danger is present owing to such strips being on one side or the other of the stirrups rather than in line therewith, as with my braces. The improved shore or brace is strong and is securely held and may be adjusted in accordance with the requirements of the work and when not in use may be pushed back into bar 5 out of the way.

To avoid frictional contact between pull-lines 17 and the staging, I pass said ropes down over sheaves 18, which are carried by clips 19, the latter being slidable on the longitudinal edges of stage 6 to conform to the positions of the stirrups. Wear upon the ropes is thus avoided, and the labor incident to raising the stage is materially lessened.

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

1. An improved staging comprising stirrups, a stage adapted to rest therein, and transverse clamping-bars adjustable vertically on the stirrups for confining the stage, substantially as shown and described.

2. An improved staging comprising stir-

rups, a stage adapted to rest therein, a transverse bar split at the ends to embrace the sides of the stirrup-loops, and devices slidable on the split bar for contracting its split ends and causing them to bind the stirrup-loops and confine the stage in place, substantially as shown and described.

3. The combination of the stirrups, the stage resting therein, the extension-board overlapping the stage at either of the stirrups, and the clamping-bar adjustable vertically on the stirrup for confining the board and stage in the stirrup, substantially as shown and described.

4. The combination with a staging-stirrup formed with a tubular cross-bar open at the ends, and a laterally-projecting shore or brace longitudinally adjustable in either end of the tubular bar, substantially as shown and described.

5. The combination of a staging-stirrup formed with a tubular cross-bar, and a shore or brace adjustably secured in said bar, substantially as shown and described.

6. An improved staging comprising the stirrups formed with tubular cross-bars, the shores or braces adjustable longitudinally in said bars, the stage resting on the cross-bars, and the clamping-bars adjustable vertically on the stirrup-loops, substantially as shown and described.

7. The combination of the swinging staging, the fall-lines, the pull-ropes, and sheaves slidable longitudinally on the stage for the fall-lines, substantially as shown and described.

8. The combination of the staging, the fall-lines, the pull-ropes, the clips embracing the longitudinal edge of the staging and slidable thereon, and the sheaves carried by the clips over which the pull-ropes pass, substantially as shown and described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

STEPHEN B. SHORT.

Witnesses:
ALEX. S. MABON,
J. M. NESBIT.