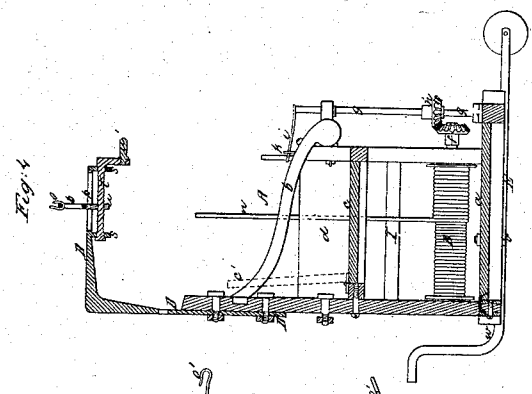
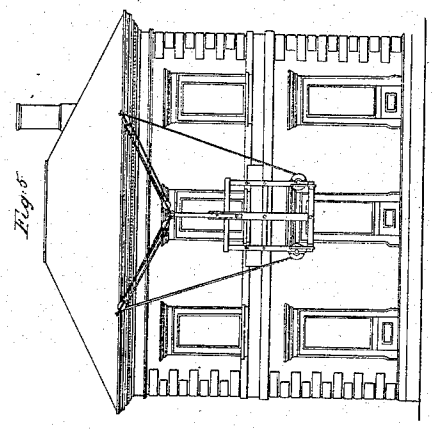
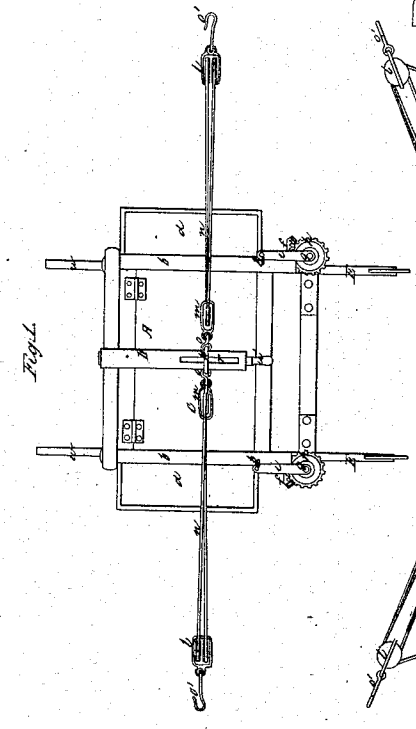
W. B. Wait.

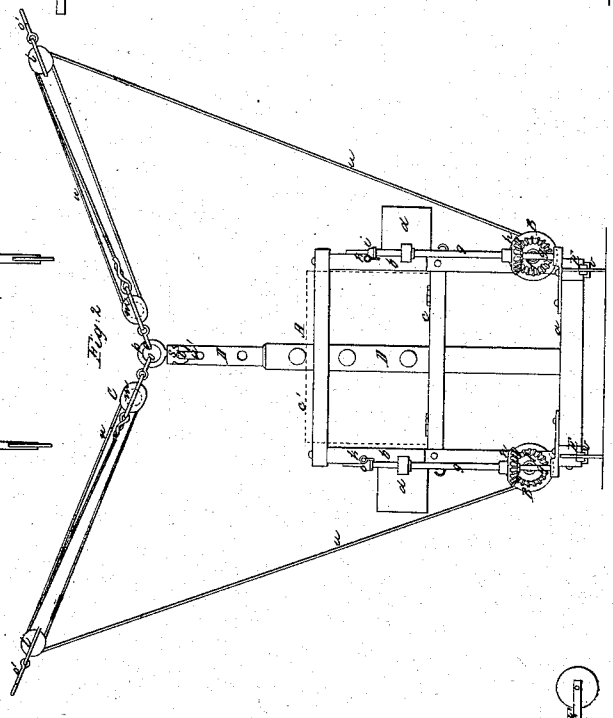
Scaffold.

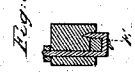
No. 39,849. Patented Sept. 8, 1863.

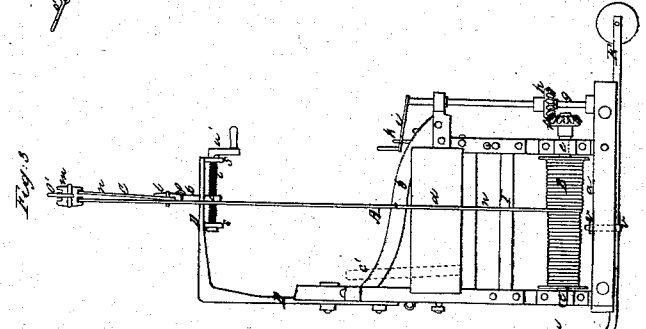












Witnesses
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UNITED STATES PATENT OFFICE.

WINDSOR B. WAIT, OF SOUTH READING, MASSACHUSETTS.

IMPROVED ARTISAN'S STAGE.

Specification forming part of Letters Patent No. **39,849**, dated September 8, 1863.

To all whom it may concern:

Be it known that I, WINDSOR B. WAIT, of South Reading, of the county of Middlesex and State of Massachusetts, have invented an improved artisan's stage or chair, to be used in painting, repairing, or constructing buildings; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, Fig. 3 an end elevation, and Fig. 4 a vertical and transverse section, of it. Fig. 5 exhibits the method of applying it to the front of a building.

In the drawings, A denotes a stage formed somewhat like an arm-chair, and provided not only with a platform, *a*, at its lower part, but with arms *b b*, (like those of a chair,) and also with a seat, *c*, so hinged at its rear edge to the frame or stage as to be capable of being turned from a horizontal up into a vertical or nearly vertical position, or against the back of the stage A, as shown by dotted lines at *c'*.

Alongside of each of the arms *b b*, and with its bottom on or about on a level with the seat *c*, when the latter may be down in a horizontal position, a box or receptacle, *d*, is arranged, as shown in Figs. 1 and 3, the object of these boxes or receptacles being to support the tools or materials of a workman while the stage may be in use. Underneath each of the said receptacles *d* there is a long windlass, B, whose journals are supported in boxes *e e*, attached to the end of the frame. Each of these windlasses is provided with an operative mechanism—that is, one by which a person, while either standing on the platform or sitting on the seat of the stage, can put the windlass in revolution, the said operative mechanism to each windlass consisting of a beveled gear, *f*, a cranked shaft, *g*, and a beveled pinion, *h*, carried by the cranked shaft *g*. The crank of each shaft is shown at *i*. A removable pin, *k*, inserted in the arm of the stage and arranged, as shown in Figs. 1 and 3, serves as a stop to arrest the motion of the crank when necessary.

To each windlass there is applied a tackle, C, which consists of two blocks, *l m*, and a rope, *n*, roved through them, and having one end connected to one of the blocks and the other to the windlass. Each of the blocks is provided with a hook, *o* or *o'*. The hook *o* of the block, which is furnished with the less number of sheaves, is hooked to an eye, *p*, of the "adjustable balancing mechanism," to be described. The other hook, *o'*, when the apparatus is in use, or is suspended from the gutter of a building, is to be hooked either to the gutter or to a spike or bolt driven therein, or to some other suitable fixture applied to the building, the arrangement of the tackles being as shown in Fig. 5.

From the middle of the back part of the stage A there rises upward a strut, D, formed as shown in the drawings. It may be so applied to the stage as to be capable of being affixed at different elevations thereon. The upper or horizontal portion of the strut is provided with a slot, *r*, made vertically through it. At the extremities of the slot, and extending down from the strut, are two ears or projections, *s s*, which constitute the bearings of a cranked screw, *t*, which revolves in the said projections, but without any endwise motion in respect to them. The said screw *t* screws through a projection, *u*, extending from the eye *p*, and through and below the slot *r*. By laying hold of and turning the crank *w'* of the screw *t* the eye *p* may be so adjusted as to be directly over and in or nearly in a vertical line with the center of gravity of the stage, however the stage may be loaded. By means of the eye and the tackles the stage is kept upright while suspended from a building. Two adjustable bars, E E, are so applied to the bottom of the stage A as to be capable of being moved endwise or longitudinally, and of being clamped firmly to the stage, each being provided with one or more screw-clamps, *v v*. (See Fig. 6, which is a vertical section of one of the bars and its screw-clamps as applied to the stage.) The forward end of each of the adjustable bars E and their handles *w w* afford a means of enabling a person to move the stage along on the ground as a person would trundle a wheelbarrow.

By means of the windlasses, their operative mechanism, and the tackles, as described, a person while in or on the stage, and it is suspended from a building, not only can raise or lower the stage, but can move it more or less laterally within vertical lines extending through the points of support. Thus a painter

or other artisan while at work on the stage, and in front of a structure to which the stage may be applied, can adjust the situation of the stage so as to enable himself from time to time to operate on a fresh surface, as circumstances may require.

In each end of the stage A, and just over the windlass thereof, there is arranged a guide-roller, I, its object being to serve as a guide to the tackle, whenever it may be desirable to cross the two tackles between the windlasses, so as to draw on the latter in directions of one toward the other, in which case the strain on the caps of the bearings of the windlasses, tending to detach the caps from the frame or stage A, will be essentially diminished if not entirely removed from such caps.

I claim—

1. The stage or chair A, as not only made with the platform *a*, arranged as described, but with the auxiliary platform or seat *c*, placed above the platform *a*, and hinged to the body of the frame, so as to be capable of being operated as specified.

2. The stage A as made with the end boxes or receptacles *d d*, arranged relatively to its arms and hinged seat, as specified.

2. In combination with the stage A, the windlasses B B, their operative mechanisms, and tackles, constructed to operate, substantially as described.

4. In combination with the stage, its windlasses, and tackles, an adjustable balancing mechanism, arranged and constructed so as to operate substantially as described.

5. In combination with the stage, its windlasses, their operative mechanisms, and tackles, the adjustable bars E E, provided with wheels and handles, arranged with respect to them as specified.

W. B. WAIT.

Witnesses:
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