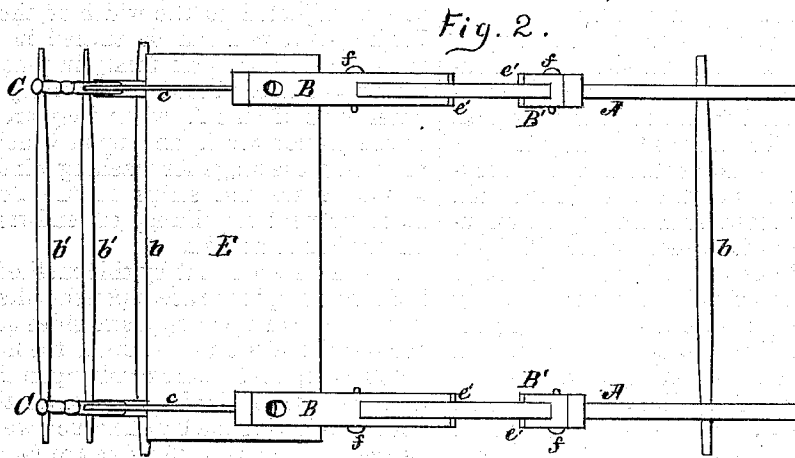
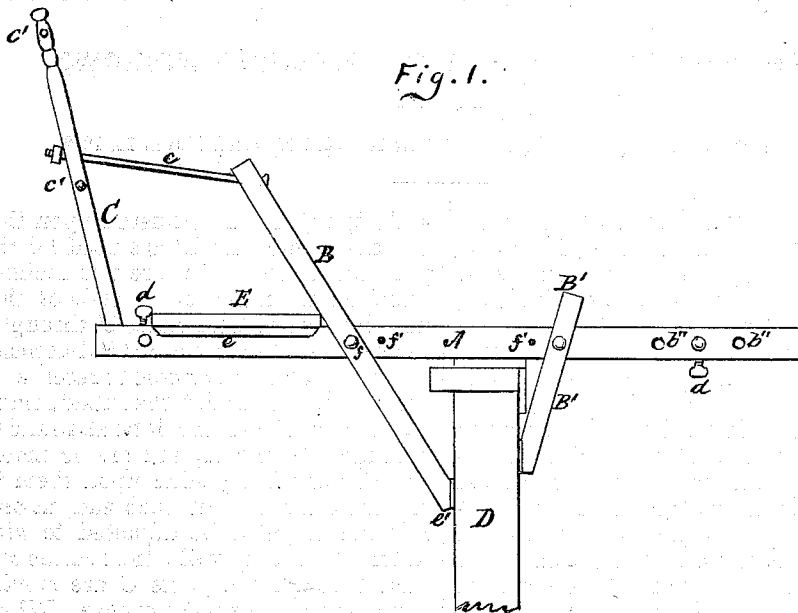


J. ROBINSON.

Improvement in Stages for Window Washers.

No. 124,762.

Patented March 19, 1872.



Witnesses:

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UNITED STATES PATENT OFFICE.

JERRY ROBINSON, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN STAGES FOR WASHING WINDOWS.

Specification forming part of Letters Patent No. 124,762, dated March 19, 1872.

I, JERRY ROBINSON, of the city and county of Washington, in the District of Columbia, have made certain Improvements in Stages for supporting persons while Washing Windows, of which the following is a specification:

In the drawing, Figure 1 is a side view of the stage, and Fig. 2 is a top or plan view of the same.

The object of this invention is to introduce into use a stage or support, upon which a person is supported while washing windows upon the outside of the house, that is cheap, durable, safe, and can be adjusted to any width of window; and it consists in the construction and arrangement of the parts that form the device and produce the desired result, as will be more fully hereinafter described.

A A are the supporting-sills, that rest upon the wall D of the building and within the opening of the window, and have holes *b''* horizontally through them for the rounds that pass through them, and holes *f'* for bolts *f* to hold the clamp pieces and adjust them to any thickness of wall. B B are the outside inclined braces or clamp pieces, each having an angular mortise through it to receive the sill A, as seen in Fig. 1, and has a bolt, *f*, passing through it and the sill in order to hold it from slipping on the sill—these clamp braces extending below the sill some distance, and terminate in a beveled upright face to bear against the outside of the wall of the building, which beveled face is furnished with a cushion or pad, *e*, of some soft and flexible substance, such as rubber, leather, or cloth, that will not mar or destroy the paint or finish of the wall, and at the upper end is a hole to receive a screw-rod, *c*, which goes nearly in a horizontal direction outwardly to and through an inclined post. B' B' are the two inside inclined braces or clamp pieces, each having an angular mortise through it to receive the sill A, and upon which it slides, but with a close fit, and has a bolt, *f*, passing through it and the sill to hold it to its place when properly adjusted to bear against the inner face of the wall D of the house, and also extend below the sill some distance—has a beveled upright padded face to bear against the inner face of the wall D. All these clamp braces

slide upon and are adjusted upon the sills A, but the inside ones B' are used for the principal adjustment. C C are two inclined posts, standing upon the outer ends of the sills A, and have horizontal holes *c'* through them to receive the lateral rounds *b' b'* that pass through them, and an angular hole to receive the screw-rod *c* that goes through the outside clamp braces B. *b'* and *b'* are the lateral rounds that go through the sills A, and are so made as that the sills can freely slide upon them for a considerable distance at each end, in order to allow the stage to be adjusted to windows of different widths, while the rounds *b' b'* which pass through the posts C are similarly constructed for the same purpose. When the device is adjusted to the width of the window, holding-screws *d* can be turned in upon the rounds and hold them firmly in place. E is a removable floor placed transversely upon the outer ends of sills A, when they are adjusted to the proper width, and upon which the person using the stage for washing windows may stand. *e* are end strips on the floor-plank E, to prevent its sliding off endwise and to strengthen it as well.

It will be seen that by this method of using inclined clamping braces upon the sills, and having them bear upon opposite sides of the wall, the weight of the person upon the floor E will act to clamp them more firmly upon the sills A, and the bite so obtained prevents them from sliding or giving back under such weight; and as the outer ends of the sills are forced downward, throwing the sustaining point upon the foot of the outside inclined brace, the inside inclined brace will securely prevent the sills from rising on their inner ends; consequently, the greater the weight on the floor outside the more fixed is the device in its position and hold upon the walls, even up to the breaking point of the sills. The posts C C, rounds *b' b'*, and screw-rods *c*, with the outer inclined clamp braces B, form a kind of inclosure about the person standing upon the floor-plank E, and prevent their stepping off or falling therefrom. When not in use the rounds *b* and *b'* can be removed, and the whole compacted together for storing.

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

1. The adjustable inclined outer clamp braces B and the adjustable inclined inner clamp braces B', in combination with the sills A, in the manner and for the purpose described.

2. The stage for washing windows having the adjustable sills A, inclined brace clamps B and

B', floor E, and protecting inclosure formed by the posts C, rounds *b' b'*, rods *c*, and inclined brace clamp B, in the manner and for the purpose described.

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mark.

Witnesses:

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