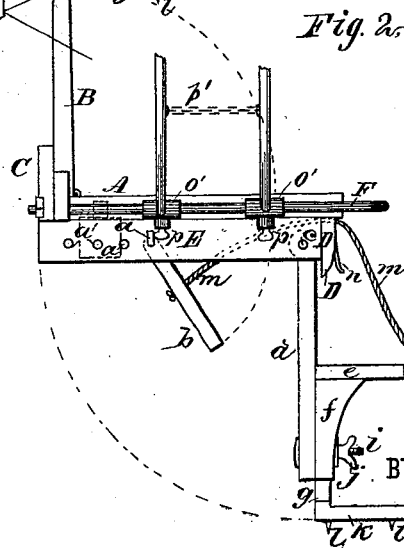
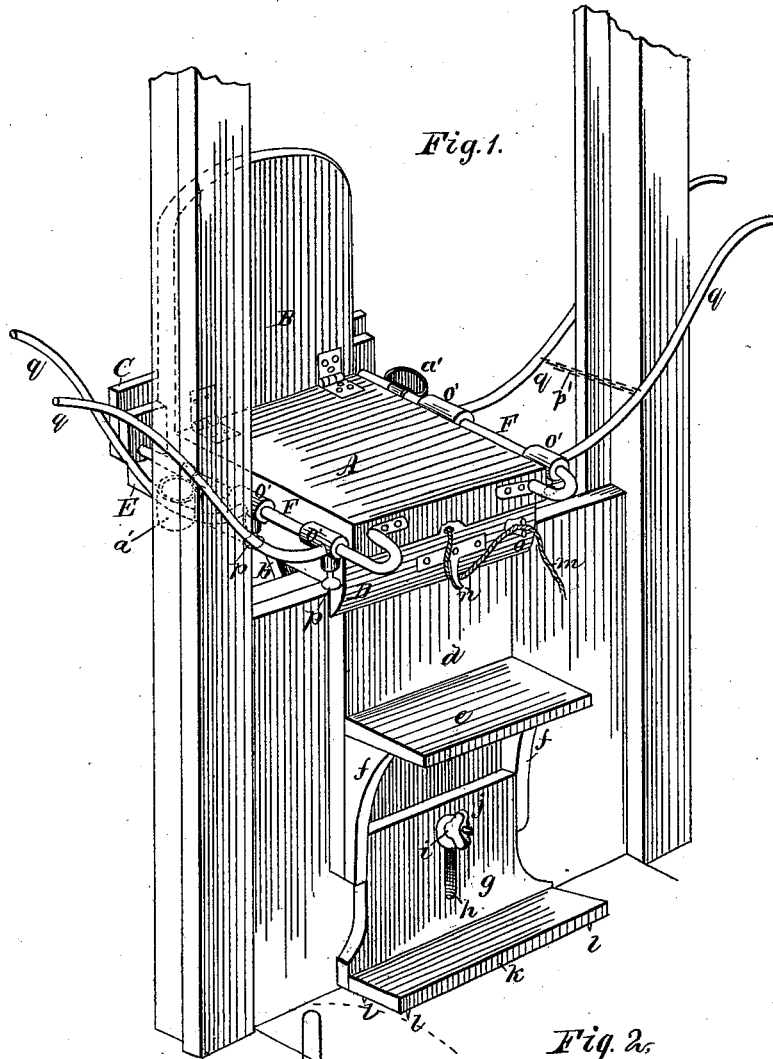


A. DORMITZER.
Window-Cleaning Chair.

No. 200,441.

Patented Feb. 19, 1878.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN WINDOW-CLEANING CHAIRS.

Specification forming part of Letters Patent No. 200,441, dated February 19, 1878; application filed January 13, 1878.

To all whom it may concern:

Be it known that I, ANNA DORMITZER, of the city, county, and State of New York, have invented a new and Improved Safety Window-Cleaning Chair, of which the following is a specification:

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of my improved chair, showing it in position for use; and Fig. 2 is a side elevation of the chair detached from the window.

The object of my invention is to provide a thoroughly safe and life-preserving, as well as convenient, device for cleaning windows, which may be temporarily attached to any window, and support any person safely while cleaning the outside of windows, which, after use, may be compactly folded together, so that little room is required for storing it.

The invention consists in a combination of a platform, folding guards, and supports, which will be hereinafter more fully described.

Referring to the drawings, A is a platform of a suitable size to stand or sit on, and B is a guard, hinged to one end of the platform, and supported and stiffened, when unfolded, by a piece, C, which is attached to the end of the platform, and projects a short distance above the platform and also beyond its edges. Upon the opposite end and opposite side of the platform A a piece, D, is secured, from which the strips E extend along the under surface of the platform at its edges, for receiving the rod *a*, upon which the brace *b* swings, and for receiving the rod *c*, upon which the step-support *d* is pivoted. A step, *e*, is attached to the support *d* by means of brackets *f*, and between these brackets a board, *g*, having the slot *h*, is fitted. The board *g* is clamped to the support *d* by a bolt, *i*, which is provided with a wing-nut, *j*.

A piece, *k*, is attached at right angles to the outer face of the slotted board *g* at its lower end, and is provided with spurs *l*, that project from its under surface. A cord, *m*, is attached to the brace *b* a short distance from its pivot, and runs through an aperture in the piece D, and is fastened by placing it under the clip *n* and in the fork *o*, both of which are secured to the piece D.

Rods F pass through the piece C, in which

they are fastened, and run forward parallel with, and a short distance from, the side of the platform A, beyond which they project several inches, and are bent backward or returned upon themselves and attached to the end of the platform above the piece D. Upon each of the rods F is placed a sleeve, *o'*, which is provided with thumb-screw *p* for binding it in any desired position on the rod, and to each sleeve a curved rod, *q*, is attached. These rods are formed on a reversed curve, and the rods on opposite sides of the platform are oppositely arranged in respect to each other. There are several holes, *a'*, in the side-pieces C for receiving the rod *a*, so that the brace *b* may be adapted to walls of different thicknesses.

The chair is put into position for use by unfolding it and placing the platform A on the window-sill, and drawing the cord *m* so as to bring the brace *d* into contact with the outside of the wall. The cord is fastened by putting it under the clip *n* and into the fork *o*. The rods *q* are now brought against the wall, one on the inside and one on the outside, on each side of the window, and are clamped by the thumb-screws *p*, and may be connected by a chain, *p'*. The piece *g* is now moved downward until its spurs enter the floor, when it is clamped by turning the wing-nut *j*. The guard B is raised into a vertical position, and the chair is ready for use.

There is ample room on the platform A for the person cleaning the window to stand or sit upon, and also for the various articles required in cleaning, which are held by small cups *a'* or receivers, that are hooked to the two rods F.

The rods *q* on the outside of the wall may be employed to keep the platform A more firm and free from wriggling, to insure the feeling of perfect ease and security.

The chair herein described facilitates the cleaning of the windows, and renders the operation safe.

When it is desired to store away the chair, the guard B is folded against the upper surface of the platform, and the rods *q* are folded over it; the brace *b* is folded against the under surface of the platform, and the support *d* is folded over it, after having moved the part *g*

upward as far as possible. The chair is thus put into convenient form for carrying from place to place, or for storage. By modifying the device the platform may be sustained by the inside support, the brace *m*, and the two inside rods *q* alone.

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

1. A folding window chair or scaffold consisting, essentially, of the pieces A C, hinged guard B, rods F *q*, bracing device *m n o b*, and the piece *d*, provided with slide-piece *g*, all arranged as shown and described.

2. The combination of the side rods F and the adjustable curve rods *q* with the platform A, substantially as shown and described.

3. The cord *m* and fastenings *n o*, in combination with the adjustable brace *b*, substantially as herein shown and described.

4. The support *d*, having the adjustable spur-piece *g*, in combination with the platform A, as herein shown and described.

ANNA DORMITZER.

Witnesses:

GEO. M. HOPKINS,
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