

H. KRUGER, Jr.
Window-Scaffold.

No. 168,401.

Patented Oct. 5, 1875.

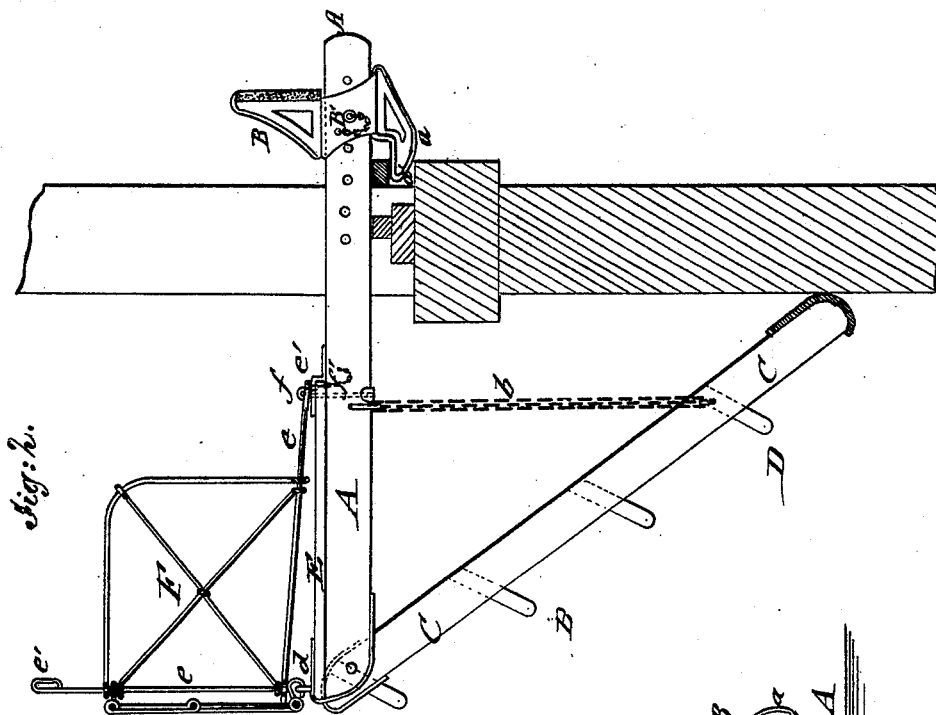


Fig: 2.

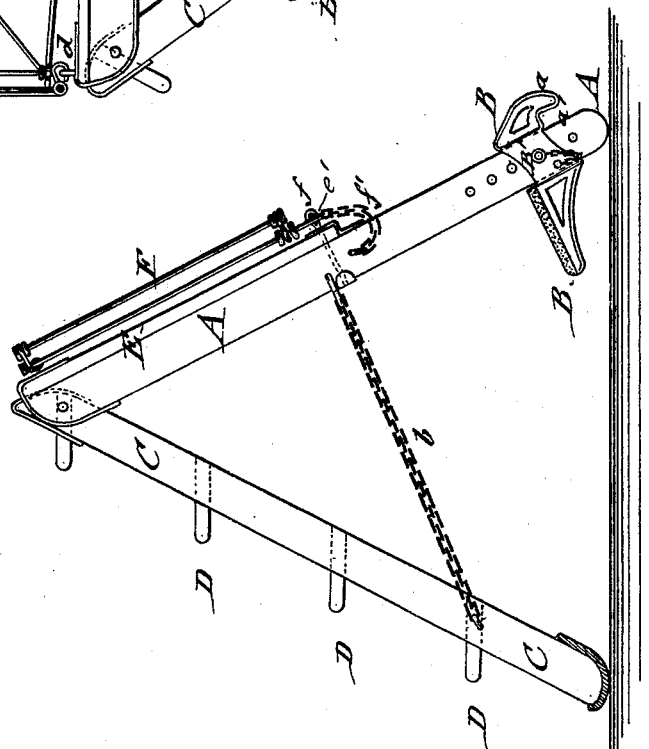


Fig: 1.

WITNESSES:

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IMPROVEMENT IN WINDOW-SCAFFOLDS.

Specification forming part of Letters Patent No. 168,401, dated October 5, 1875; application filed July 12, 1875.

To all whom it may concern:

Be it known that I, HEINRICH KRÜGER, Jr., of the city, county, and State of New York, have invented a new and Improved Window-Scaffold, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side view of my improved window-scaffold shown in position as step-ladder; and Fig. 2, a side view of the same applied to a window to be used as a scaffold or platform.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide, for business and domestic purposes, an improved folding window-scaffold that may be readily secured outside of the window, to allow the cleaning of the same, or any other out-door work at buildings, without the least danger, being also available for use as a step-ladder, and capable of folding up into narrow compass for storage after use.

The invention will first be described in connection with drawing, and then pointed out in the claim.

In the drawing, A represents the supporting pieces or arms, that are arranged at a distance from each other, which is somewhat smaller than the width of the windows for which the scaffold is to be used, so that the same may be readily passed to the outside of the window and be placed, by means of shoes B, in horizontal position on the window-sill. The shoes B slide along the pieces A, and are adjusted to any thickness of the wall by cross-bolts B' passing through perforations of the shoes, and arms A. The downward-extending part of the shoes is lined at the side facing the wall with flannel or other suitable cushioning material, so that the shoes do not injure the sill or wall. The opposite side of shoe B is extended into bracket-shape *a* and a rectangular recess, *a'*, formed by the same and piece A, which allows, on applying the shoe with the recess toward the wall, the insertion of a lateral piece across the window, when this mode of securing the scaffold is deemed more advisable for the greater security of the persons and for the better pro-

tection of the inside wall. A brace-frame, C, is hinged to the outer end of supporting-pieces A, between the same, and connected by suspension chains or rods *b* thereto. The lower ends of frame C are lined with rubber or similar cushioning material, to rest on the outside of the wall below the windows, when in position for bracing the supporting-pieces.

The brace-frame C may be made with steps D, by which the scaffold may also be conveniently used, for inside purposes, as a step-ladder, the supporting-pieces forming, then, the brace-frame for the step-ladder, and the suspension-chains the brace-chains, as shown in Fig. 1.

The supporting-pieces carry, at the part projecting to the outside of the window, a platform, E, on which the servant or other person may readily stand for cleaning windows, painting, or other outside work.

For greater security, a guard railing or frame, F, is hung to staples *d* at the outer edge of the platform, the railing being made of hinged side parts and a central part, on which the side parts fold, so that the whole may be swung down on the platform after use. The bottom and corner rods *e* of the folding side frames are extended to such length that they fit in the upright as well as folded-down condition of the guard-railing, with their outer eyes *e'* over staples *f* at the inner edge of the platform E, and be locked into rigid position by cross-pins *f'* attached to pieces A by suitable suspension-chains.

When the guard-railing is to be thrown up into raised position, the central part is first turned up on the outer staples *d*. The side parts are then turned to the sides and locked by the cross-pins *f'* to the platform, so that the same offers perfect security against danger of falling.

When the scaffold has to be taken down, the railing is first folded down on the platform and then locked thereto. The supporting-pieces are raised and taken in with the hinged brace-frame, to be finally folded up with the same for being stored out of the way.

The window-platform admits of the safe outdoor cleaning of windows, &c., without

danger of accidents, forming a very convenient device for hotel, household, and general business purposes.

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

The shoe B, having bracket *a* and angular recess *a'*, applied to window-frames in con-

nection with supports A, as shown and described, to allow a lateral piece to be inserted across the window, as set forth.

H. KRÜGER, JUN.

Witnesses:

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