P. WOLFF.

WINDOW CHAIR OR SCAFFOLD.

APPLICATION FILED JUNE 21, 1915. RENEWED JULY 6, 1917.

1,254,103. Patented Jan. 22, 1918.

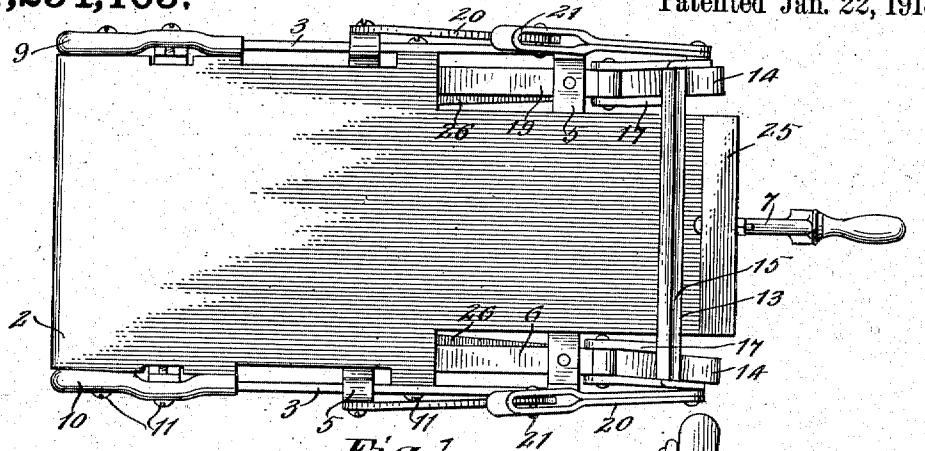


Fig. 1.

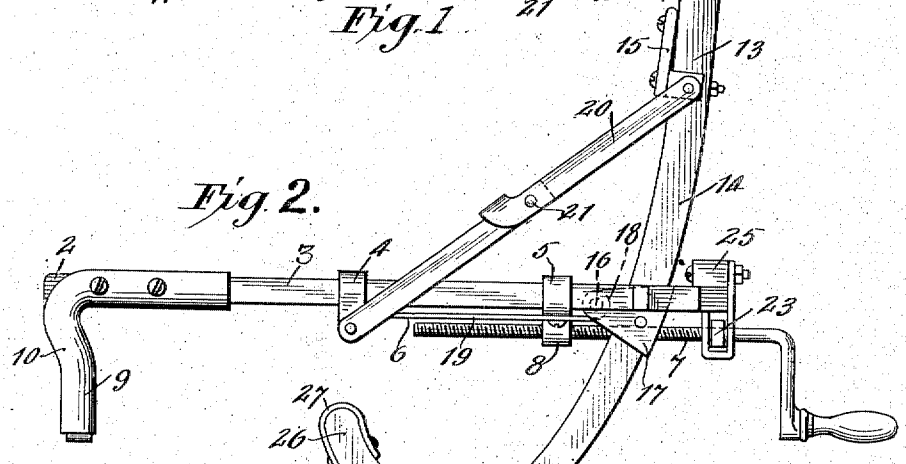


Fig. 2.

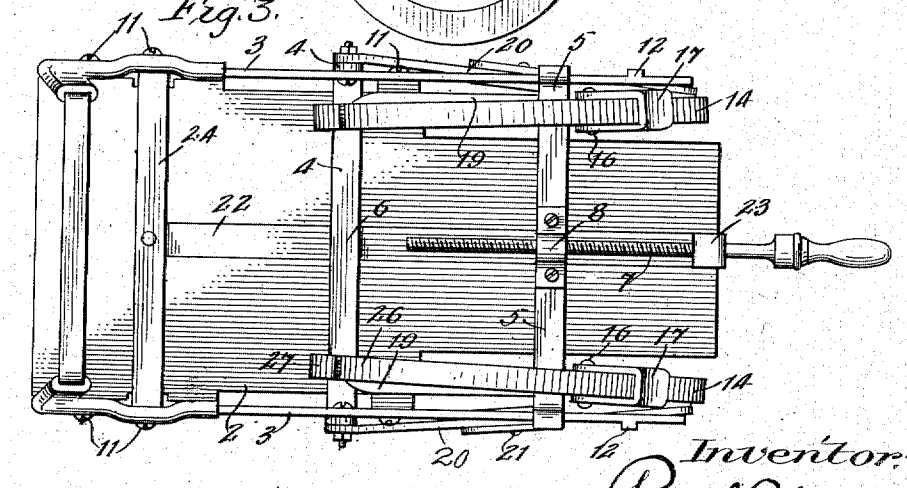


Fig. 3.

Inventor:
Paul Wolff

UNITED STATES PATENT OFFICE.

PAUL WOLFF, OF PITTSBURGH, PENNSYLVANIA.

WINDOW CHAIR OR SCAFFOLD.

1,254,103. Specification of Letters Patent. Patented Jan. 22, 1918.

Application filed June 21, 1915, Serial No. 35,472. Renewed July 6, 1917. Serial No. 179,097.

To all whom it may concern:

Be it known that I, PAUL WOLFF, a subject of Hungary, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Window Chairs or Scaffolds, of which the following is a full, clear, and exact description, reference being had to the accompaying drawings, which form part of this specification.

This invention is a window chair or scaffold for supporting the worker when cleaning windows or painting or in doing similar work. As such a device I provide a structure that overlies the window sill and clamps to the frame of the window, through the provision of means that is readily operable and renders the device adjustable to frames of various sizes. Furthermore, I aim for simplicity and lightness of weight that permits of the mechanism being folded into a compact form for convenient transportation from window to window or in shipping.

I will now describe my invention so that others skilled in the art to which it appertains may understand and construct the same, it being premised however that certain changes may be made in the construction shown and described without departing from my invention.

Figure 1 is a top plan view of a window chair embodying my invention; Fig. 2 is a side elevational view of the same and Fig. 3 is a bottom plan view of the same.

The numeral 2 indicates a base board or platform of the chair, along the side edges of which are guide rails 3 over which slide a plurality of transverse straps 4 and 5 that form part of an under frame 6 which is longitudinally shiftable with respect to the platform by means of a screw feed shaft 7 which has threaded engagement with a block member 8 carried by the frame 6, more particularly by the cross member 5. The guide rails 3 are formed preferably from strap material which is shaped so as to form a depending loop or clamping leg 9, disposed downwardly and transversely of the forward end of the base member 2, as clearly shown, and preferably provided at this point with a covering of rubber or other suitable padding, to prevent marring of the wood work of the window frame. The side rails 3, which fasten to the base board 2 at suitable intervals, as at 11, extend rearwardly along said board and may be provided with stops or shoulders 12 to limit the backward travel of the frame 6. A back 13 comprising vertical members 14 and the transverse panel or rest board 15, has pivotal supporting connection with the frame 6, as at 16. This pivotal connection is effected by means of the block members 17 carried by the vertical members 14, which block members carry a pivot that passes through the eye portions 18 formed in the ends of the flat strap member 19 at a point where said strap extends beyond the transverse member 5. Leading from the vertical members 14 of the back to the transverse member of the cross strap 4, at the ends thereof and pivotally connected at said points are side braces or arms 20 having a one way hinge or joint 21. As shown in Fig. 3, a central strap member 22 extends from the mounting 23 of the screw feed 7 to a cross piece or strap 24, while a transverse reinforcing strip 25 is carried at the upper rear end of the platform or base 2. These members 22, 24 and 25 serve to take up and conveniently distribute the strains and stresses of the device.

The lower ends of the vertical members 14 of the rest or back 15 each terminate in a foot or boot 26, which is covered with a suitable padding 27. This foot or boot cooperates with the depending foot 9 for clamping the device in position over a window sill. By "breaking" the arms 20 of the back or rest the vertical members 14 may be pivotally shifted so as to retract the foot portions 26 to a position where the device can be readily placed over the window sill, after which the bracing arms 20 may be straightened, so as to bring the back into the normal position shown and the boot into coöperating clamping position with the foot 9, against the outer face of the window frame or sill on which it is supported.

It will of course be understood that by means of the screw feed the desired adjustment of the foot members 26 relatively to the inner clamping foot 9, may be obtained. After this adjustment is once determined, the device may be readily applied and removed from the window frame by manipulation of the side arms or braces 20, as will be clearly understood. It will be seen that in such adjustment through the screw feed 7, the whole under frame 6 moves lengthwise of the base board 2, and that consequently the relative angular position of the back rest and the side arms 20 with respect

to the base piece 2 is never varied. Furthermore, the construction permits of the maximum strength through the use of flat strap material which is easy to work into the form shown, resulting in a device that is not only light in weight but also inexpensive to manufacture.

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

1. In a device of the character described, the combination with a base piece having a depending forward clamping foot, a frame member carried by and longitudinally shiftable with respect to said base piece, means for positively shifting said frame, a back rest pivoted to said frame and having a lower clamping foot, and hinged side braces extending from said back rest to said frame, substantially as shown and described.

2. In a device of the character described, the combination with a base piece, having a depending forward clamping foot, rail members at the sides of and carried by said base piece, a frame member carried on said rails and longitudinally shiftable with respect to said base piece, means for positively shifting said frame, a back rest pivoted to said frame and having a lower clamping foot, and hinged side bars extending from said back rest to said frame at a point forward of the pivot of said frame and rest, substantially as shown and described.

3. In a device of the character described, the combination with a base piece having a depending forward clamping foot, rail members mounted along the side edges of said base piece, a frame carried by said rails and disposed beneath the base piece and longitudinally shiftable on said rails, a feed screw carried by said base piece and provided with a crank handle and engaging said frame for moving the same on the rail members, a back rest pivoted to said frame and having a lower clamping foot, and hinged side bars extending at an angle from said back rest to the forward end of said frame, substantially as shown and described.

4. In a device of the character described, the combination with a base piece having a depending forward foot, rail members mounted along the side edges of said base piece, a plurality of transverse members disposed beneath said base pieces and supported by and movable along said rail members, means for holding said transverse members in a fixed position relatively to one another, means for positively shifting said transverse members along the rails, a back rest pivotally supported by one of said transverse members, and hinged side bars extending from the back rest at an angle to said other transverse member, substantially as shown and described.

PAUL WOLFF.