W. G. MORRIS.

WINDOW SCAFFOLD.

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1,277,458. Patented Sept. 3, 1918.

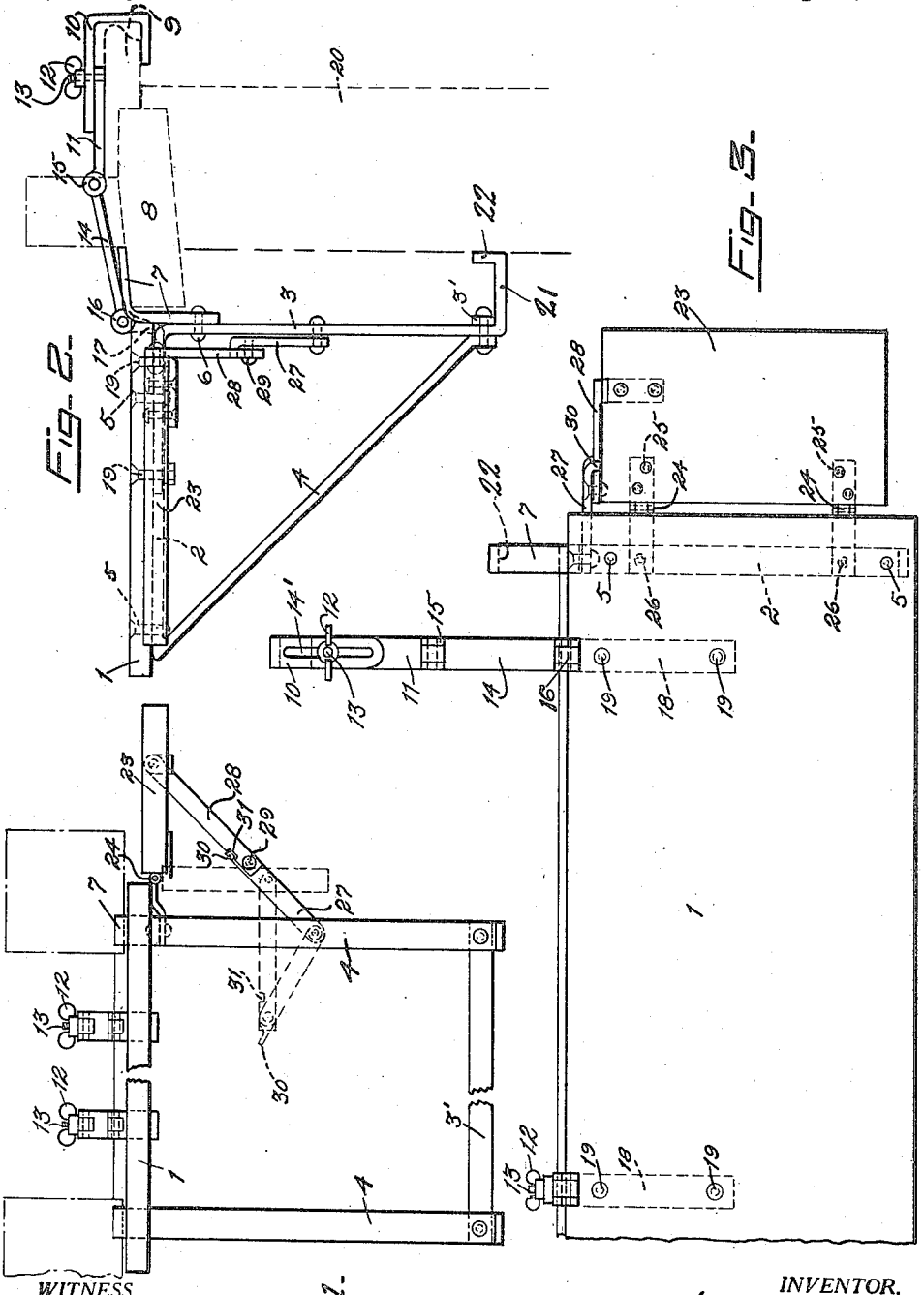

Fig. 2.

Fig. 3.

Fig. 1.

WITNESS

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WINDOW-SCAFFOLD.

1,277,458. Specification of Letters Patent. Patented Sept. 3, 1918.

Application filed October 9, 1915. Serial No. 55,084.

To all whom it may concern:

Be it known that I, WILLIS G. MORRIS, a citizen of the United States, residing at the city of Alameda, in the county of Alameda and State of California, have invented certain new and useful Improvements in Window-Scaffolds, of which the following is a specification.

The hereinafter described invention relates to a device for attachment to windows for supporting persons engaged in connection with the cleaning of windows and the same comprises members so connected relative to each other that the said device may be quickly applied to and disconnected from the window sill and when connected thereto the support or stand will be projected exteriorly and the connecting members for the support so arranged that the weight of the person supported thereby will be distributed between the attaching bracket bearing on the ledge of the window and the member bearing against the outer wall surface of the building; the object of the invention being the production of a device wherein the securing members for the attachment thereof to the sill of the window are adjustable to compensate for the irregular shape of the window ledge and sill, and at the same time produce a simple, inexpensive and efficient device for detachable engagement with windows for the support outside thereof of a person while engaged in the cleaning of windows.

While the invention is illustrated in the drawings forming a part hereof and herein described as adapted for the support of persons engaged in the cleaning of windows, it will be understood that the use thereof is not so confined, but the device is applicable for all uses and purposes wherein it is required to obtain a firm and secure support outside of a window.

In order to comprehend the invention reference should be had to the accompanying sheet of drawings, wherein—

Figure 1 is a broken front elevation illustrating the attachment as applied to a window.

Fig. 2 is an end elevation of the attachment illustrated as applied to a window, and

Fig. 3 is a partly broken away plan view of the attachment removed from the window.

In the drawings, the numeral 1 is used to designate a suitable size platform united in any desired manner to a supporting frame, which frame, in the present case, is disclosed as consisting of longitudinal members 2, vertical members 3 and diagonally disposed brace members 4, which said brace members unite the said members 2 and 3. These supporting frame members which are preferably of triangular form, are arranged at substantially each end portion of the supporting platform 1, and are united thereto preferably by rivets 5, the said supporting frame members being thus disposed in spaced relation relative to each other and are connected at their lower end portions by the tie rod member 3′. To the upper inner end portion of the frame members 3 are united by rivets 6 the angle brackets 7, the upper inwardly turned portion of said angle brackets, when the attachment is united to a window being adapted to rest on the upper surface of the window ledge 8. (Fig. 2 of the drawings.) The support structure as thus formed is adjustably held to the window sill 9 inside of the room by means of the angle clamps 10, which clamps are held to a connecting member 11 by means of the wing nuts 12, which nuts screw onto the threaded studs 13 upwardly projected from the members 11 through the slotted portions 14′ of the clamps 10. The members 11 are connected to the members 14 by the hinged connections 15, and the said members 14 are hingedly united at 16 to the upwardly flanged portion 17 of the members 18 united by rivets 19 to the under surface of the platform 1. By reason of the articulated members 11 and 14, which constitute the connection between the platform 1 and the adjustable securing clamps 10, any irregularity of the window ledge 8 and window sill 9, is overcome thus adapting the support to be readily attached to the window sill 9 of windows having varying shaped ledges 8, so that at all times the platform 1, when the support is applied to the window will stand in horizontal position.

In order to compensate for the projection or overhang of the window ledge 8 relative to the exterior surface of the building wall 20, each member 3 of the frame structures for the platform 1 is provided with an inwardly projected extension 21, the inner end 22 of which is upwardly flanged so as to bear against the exterior surface of the wall 20 so that the members 3 will stand

substantially parallel with the outer surface of the wall 20 when the support is applied to the window sill.

For the holding of the water pail and the wash rags and to place the same within convenient reach of the operator situated on the platform 1 and prevent the slopping or splashing of the water from the pail onto the said platform 1, there is united to one end of the said platform a supporting bracket 23, which is connected thereto by the hinges 24, the leaf members of the said hinges being united to the under surface of the platform 1 and the under surface of the bracket 23, respectively, by the connections 25 and 26. When in a raised position, the said bracket 23 is supported by the link members 27 and 28, united respectively to one of the members 3 and under surface of the bracket 23, and the said members 27 and 28 are pivotally connected by a rule joint 29. The link 27 is provided with a lug extension 30 which when the links are extended to support the bracket 23 moves into engagement with the notched portion 31 of the link 28 when the bracket 23 is placed in raised position, and by such engagement holds the links 27 and 28 in locked engagement and prevents the downward movement of the said bracket 23 on the weight of a filled bucket being placed thereon.

It will be understood that when the device is not in use the bracket 23 is swung downwardly in the position indicated by the dotted lines in Fig. 1 of the drawings.

Preferably the members constituting the described support are made of metal, but the material of which the same is formed is immaterial to the present invention.

Having thus described the invention, what is claimed as new and desired to be protected by Letters Patent of the United States, is—

In a window scaffold, the combination with a frame structure comprising a pair of parallel spaced substantially triangular members, a platform resting at its opposite ends on the horizontal legs of said triangular members and connected thereto, a bracket carried by the vertical leg of each of said triangular members, a portion of each of said brackets adapted for projecting at right angles to the surface of said vertical frame legs and in a plane substantially parallel with the upper surface of said platform for engagement over the ledge of a window, and adjustable clamping means for connecting the supporting structure to the sill of a window, a link pivoted at one end to said clamping means and pivotally connected at its opposite end to said platform intermediate said triangular frame members, the pivoted point of connection of said link and platform being in substantially horizontal alinement with the heel of said brackets, whereby said clamping means is capable of engagement with sills disposed in various planes above or below said platform without interfering with the engagement of said brackets with the window ledge.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIS G. MORRIS.

Witnesses:
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ANNA M. NEVILLE.