May 31, 1927. 1,630,626

S. MENNEILEY

WINDOW JACK

Filed April 8, 1926

Fig. 1.

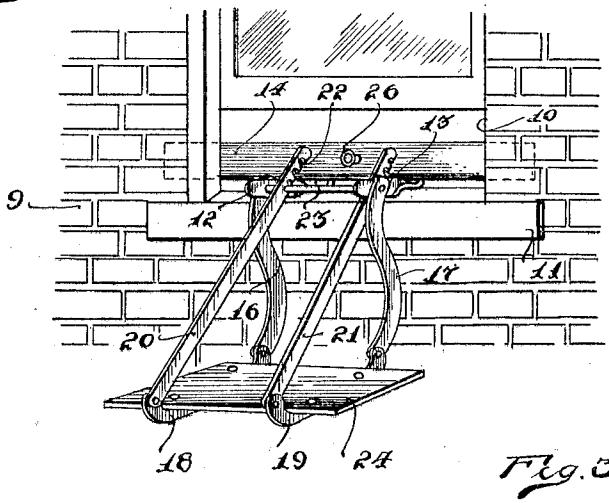


Fig. 3.

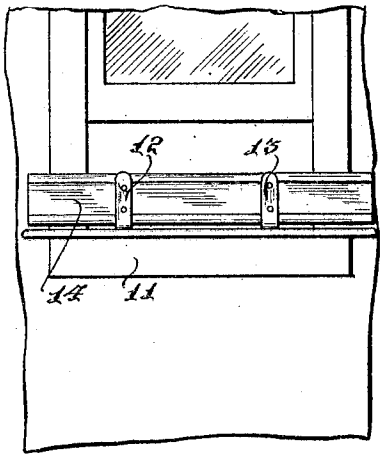


Fig. 2.

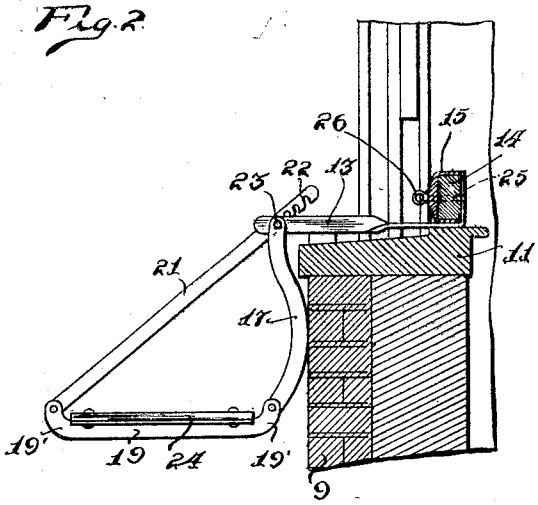
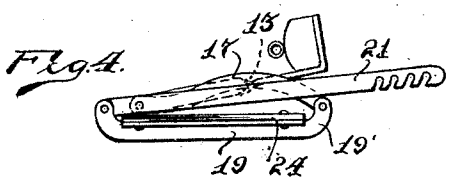


Fig. 4.



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UNITED STATES PATENT OFFICE.

SAM MENNEILEY, OF LINCOLN PARK, MICHIGAN.

WINDOW JACK.

Application filed April 8, 1926. Serial No. 100,499.

My invention relates to a new and useful improvement in a window jack adapted for mounting on the exterior of a building and for providing a support for persons, such as painters, window washers, glaziers, and others working on the side of a building.

The invention is projected through an opening in the wall of the building, particularly a window opening, and has for its object the provision of a window jack of this class which will be simple in structure, economical of manufacture and highly efficient in use.

Another object of the invention is the provision of a window jack of this class which may be folded into compact form for transporting, shipping or the like.

Another object of the invention is the provision of a window jack of this class which may be easily and quickly installed in position on a building.

Another object of the invention is the provision of a window jack of this class which may be adjusted to accommodate itself to walls of different thicknesses.

Other objects will appear hereinafter.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood from a reference to the accompanying drawings which form a part of this specification and in which,

Fig. 1 is a perspective view of the invention showing it mounted on a building.

Fig. 2 is a central vertical sectional view showing it applied to a building.

Fig. 3 is a rear elevational view of the invention applied to a building.

Fig. 4 is a side elevational view of the invention in folded or compact form.

The invention is as pointed out adapted for mounting on the side or wall 9 of a building and as shown in the drawing the building is provided with a window opening 10 having the window sill 11. The invention comprises a pair of L-shaped bars 12 and 13, each of which is suitably secured at its base to a cross bar 14, said cross bar 14 having a padding or covering 15 to prevent marring of the window frame. Hingedly connected to the outer ends of the bars 12 and 13 respectively are curved supporting arms 16 and 17, the lower end of each of which is pivotally connected to supporting arms 18 and 19 respectively, the ends of which are turned upwardly as at 19'. Connected pivotally to the outer ends of the arms 18 and 19 are adjusting bars 20 and 21 respectively, each having notches 22 formed therein at an inclination to the longitudinal axis thereof for engaging the rod 23 which serves to bind the arms 16 and 17 to the bars 12 and 13. Mounted upon the supports 18 and 19 is a plate or platform 24 which is suitably fastened to the arms 18 and 19.

It will be noted, as clearly appears in Fig. 2, that the arms 17 and 16 engage the wall 9 at the curved portions. The adjusting arms 20 and 21 when engaged with the rod 23 serve to prevent the platform 24 from rocking on the pivots of the arms 18 and 19. On account of the engagement of the supporting arms 16 and 17 with the wall 9, the strain of supporting a person on the platform 24 is not transmitted directly to the bars 12 and 13 but is applied against the side of the wall 9, the cross bar 14 engaging the window frame, this cross bar 14 being of greater length than the width of the opening with which it is used. When the device is used with walls of greater thickness than the wall 9 shown in the drawings the arms 16 and 17 will extend outwardly at an inclination to the bars 12 and 13, thus causing the platform 24 to be inclined to the horizontal. By adjusting the bars 20 and 21 to engage the rod 23 in the proper notches 22 the platform 24 may always be maintained in the horizontal. It is apparent that a person standing on the platform 24 is afforded a hand hold by means of the rod 23. It is also believed apparent that the platform 24 may be used for supporting scaffoldings if desired.

The device when placed in operation is mounted from the interior of the building, the platform and its connected parts being projected outwardly through the opening 10 leaves the cross bar 14 to engage the sides of the building and extend across the opening 10. As shown in Fig. 4 the device is foldable into compact form for the purpose of transporting from one job to another and for the purpose of shipping.

The structure of the device is such that while it is made durable and substantial it is at the same time light.

A bolt 25 is projected through the cross bar 14 and is provided with an eyelet 26 to

which may be attached a safety belt if desired by the person using the platform 24.

While I have illustrated and described the preferred form of structure, I do not wish to limit myself to the precise form of structure shown, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. A window jack of the class described adapted for use on a building wall having an opening formed therein comprising: a cross bar for extending across said opening and for engaging one side of the wall of the building at opposite sides of said opening; a pair of bars connected to said cross bar and projecting therefrom through the opening in said wall; a pair of curved depending bars pivotally connected at one end to the outer ends of said bars; a platform pivotally mounted on the free ends of said depending bars, said depending bars moving upon downward pressure being exerted upon said platform into engagement with the opposite side of said wall, said side being tangent to the curve of said bars; and means for preventing the swinging of said platform on its mountings.

2. A window jack of the class described adapted for use with a building wall having an opening formed therein comprising: a retaining member for extending across said opening and engaging said wall at opposite sides of said opening; a pair of supporting arms projecting from said retaining member and extending through said opening; depending arms; means for swingably connecting said depending arms to the outer ends of said supporting arms; a platform supporting arm swingably connected to the lower end of each of said depending arms; a platform mounted on said platform supporting arms; an adjusting arm swingably connected to the outer end of each of said platform supporting arms, each of said adjusting arms having in one edge adjacent its free end a plurality of notches for engaging said connecting means, said connecting means comprising a rod projected through said depending arms and said supporting arms.

In testimony whereof I have signed the forgoing.

SAM MENNEILEY.