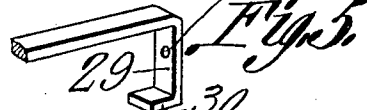
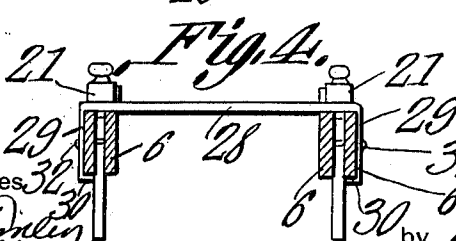
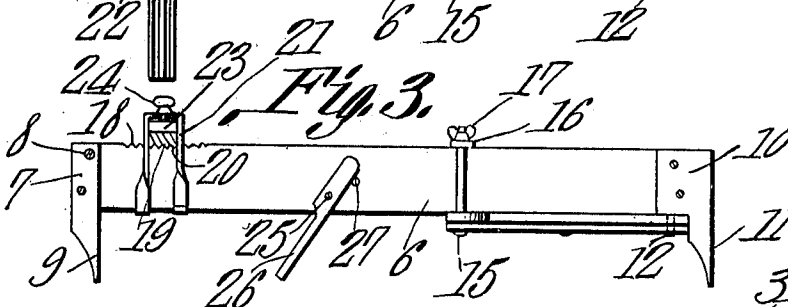
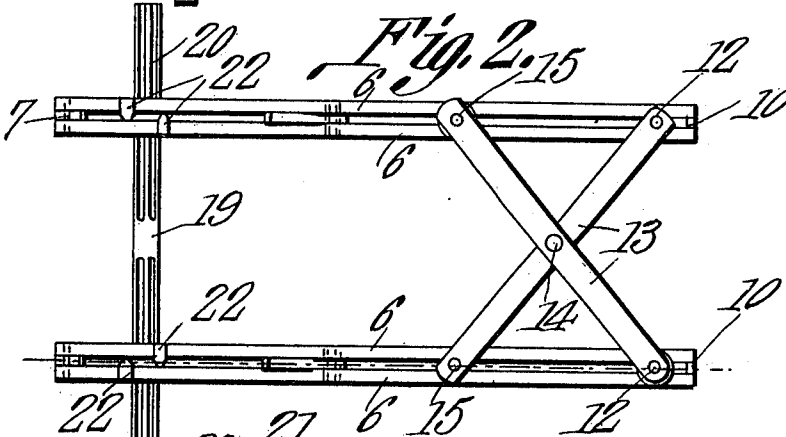


980,240.



Witnesses, *J. G. Smith*

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UNITED STATES PATENT OFFICE.

TOY B. FRY, OF MESQUITE, TEXAS.

WINDOW AND ROOF JACK.

980,240.

Specification of Letters Patent.

Patented Jan. 3, 1911.

Application filed October 18, 1910. Serial No. 587,784.

To all whom it may concern:

Be it known that I, TOY B. FRY, a citizen of the United States, residing at Mesquite, in the county of Dallas and State of Texas, have invented a new and useful Window and Roof Jack, of which the following is a specification.

It is the object of the present invention to provide an improved combined window and roof jack and the invention aims primarily to provide a device of this class which may be readily disposed in a window of any ordinary width and firmly held in such position as to enable a person using the device to sit upon the same comfortably and wash the outside surfaces of the window panes.

A further aim of the invention is to so construct the device that the same may be folded into a compact form and carried about from place to place and further to so construct and arrange the device that it may not only be used as a window jack but may also be used as a roof jack and when so used will require little if any alteration in its structure.

With the above and other objects in view, the invention consists in the construction and arrangement of parts shown in the accompanying drawings in which;—

Figure 1 is a top plan view of the device embodying the present invention. Fig. 2 is a bottom plan view thereof. Fig. 3 is a side elevation of the device, the rear side of one of the side members of the device being removed to show certain parts more clearly. Fig. 4 is a transverse vertical sectional view through the device; and Fig. 5 is a detail perspective view of one end of one of the attachments employed in connection with the device when the same is being used as a roof jack.

In the drawings, the device is illustrated as embodying, in its structure, side members each of which consists of a pair of bars 6 which are secured together in spaced relation and may be of any desired thickness and length. The means for spacing the bars 6 is embodied, at the front ends of the bars, in a spur, the shank 7 of which is disposed between the bars and bolts 8 are passed through this shank and through the spaced ends of the bars. It will be observed that this spur is tapered and has its pointed end 9 presented downwardly and the utility of this spur and also of other spurs which will be now referred to, will presently be fully

explained. The rear ends of the bars 6 comprising each of the side members of the device are also spaced apart by spur shanks indicated by the numeral 10, the pointed portions of these spurs being indicated by the numeral 11. In addition to the pointed portion 11, the spur shanks 10 are formed each with a depending pin or stud, indicated by the numeral 12 and to this stud upon each shank 10 there is pivoted one end of one of a pair of crossed arms 13 pivotally connected as at 14 at a point between their ends or more specifically speaking at their point of intersection. Bolts 15 are headed at their lower ends and are engaged pivotally through the ends of the arms 13 opposite their ends which connect with the pins or studs 12 and these bolts 15 project upwardly between the bars 6 of each side member of the device and through a washer 16 disposed upon the upper edges of the said bars 6, and threaded upon the upper end of each bolt is a nut 17 which may be tightened thereon for the purpose of drawing up on the bolt and causing its head end to firmly clamp the extremity of the related arm against the under edges of the bars 6. It will be readily understood from the foregoing that the members comprising the bars 6 may be relatively separated by loosening the bolt 17 and after they have been separated to the desired degree (that is to such degree as to abut against the stiles of the window frame in which the device is to be positioned) the bolts 17 are tightened, thereby securing the members in spaced parallel relation.

It will be observed from an inspection of Figs. 1 and 3 of the drawings that the upper edges of the bars 6 comprising the side members of the device, are corrugated as indicated by the numeral 18, and disposed upon the said bars in position transversely of the same is a bar which is formed in its under side with corrugations 20 extending lengthwise thereof and engaging with the corrugations 18 in the said upper edges of the bars 6. It will be readily understood that owing to the formation of the corrugations in the upper edges of the bars 6 and the under side of the bar 19 and the fact that the corrugations in the bar 19 extend lengthwise thereof and substantially throughout the entire length of the bar, the corrugations of the several members will engage whether the side members of the device be closely positioned or widely separated. In

order to hold the bar 19 firmly at adjustment upon the bars 6, it being understood that the bar 19 may be adjusted in the direction of the length of these bars 6, there
 5 are provided clamps each of which is in the form of an inverted U shaped bail 21, the arms of each bail at their lower ends being twisted and bent to afford laterally oppositely projecting feet 22 and of each bail, the
 10 feet 22 project one beneath one of the related bars 6 and the other beneath the other one of said bars, it being observed that the arms of the bail extend downwardly between the said bars 6. The bar 19 is inserted
 15 through or between the arms of the bails upon the two side members of the device and beneath the connecting portion of the bail there is disposed a block 23 which bears upon the bar and is caused to bear
 20 more or less firmly by a clamping screw 24 threaded through the said connecting portion of the bail. Pivoted as at 25 between each pair of bars 6 directly rearwardly of the bail 21 is a wall-engaging leg 26 which
 25 is capable of being disposed at an angle as illustrated in Fig. 3 of the drawings in which position its upper end will come into position against stop 27 extending transversely across the space between the related
 30 bars 6.

It will now be readily understood that when the device is to be positioned in a window, the side members of the device are separated to the desired degree and are secured at adjustment, after which the legs 26
 35 are brought at their lower ends into engagement with the wall of the building directly beneath the window sill upon which the side members of the device rest and the bar 19 is then slid up to such position as to bring its
 40 end portions against the inner faces of the stiles of the window frame whereupon the bolts 24 are tightened so as to clamp the bar in adjusted position. After this has been done, the device is in proper position for
 45 use and a short board or the like may be disposed upon the side members of the device and serve as a seat.

When the device is employed as a roof
 50 jack, the spurs 9 and 11 will dig into the roof, where the roof is inclined, and will firmly support the frame of the device in place. When the device is put to this use, it is desirable that steps be provided upon it
 55 so that a person using the device may obtain foothold at various elevations thereon and each of these steps is in the form of a bar indicated by the numeral 28, the bar, adjacent the end, being bent downwardly as at 9,
 60 and then inwardly laterally as at 30, its portions 29 being formed each with an opening indicated by the numeral 31 to receive the studs 32 which are provided at intervals upon the outer faces of the outer ones of the
 65 bars 6 comprising the side members of the

device. The portions 29 of the steps are of such length or height that the ends of the portion 28 of each step will rest upon the upper edges of the bars 6 and the inwardly laterally bent portions 30 will project beneath the outer ones of the bars 6. It will be readily understood that these steps may be firmly held upon the side members of the device by disposing the steps upon the said side members and then expanding or relatively separating these members until the studs 32 seat in the openings 31 and then tightening the bolts 17.

From the foregoing it will be readily seen that there is provided a device of the class mentioned which may be readily applied to a window or to a roof and which may be folded into a compact form and carried from place to place.

What is claimed is:—

1. In a window jack, relatively separable members, said members being formed with corrugations, a bar formed with corrugations extending in the direction of its length, said bar being disposed upon the said members with its corrugations engaging with the corrugations of the said members, wall-engaging legs carried by the members, and means clamping the bar upon the members, said means comprising yokes straddling the bar adjacent the ends thereof and having lateral feet engaging the under sides of the members, and clamping screws mounted in the connecting portions of the yokes and operable to exert pressure upon the bar.
 2. In a window jack, relatively separable members, each of said members comprising a pair of spaced bars, said bars being formed upon their upper edges with corrugations, a bar formed with corrugations extending in the direction of its length, said bar being disposed upon the bars comprising the said members with its corrugations engaging with the corrugations in the said bars comprising the said members, and clamps adjustably slidable between the bars of each member and arranged to clamp the said single bar thereon.

3. In a window jack, relatively separable members, crossed arms pivoted each at one end to one of the members at one end thereof and at its opposite end adjustably pivotally connected with the other member, the said arms between their ends being pivotally connected, a bar slidably adjustably carried upon the members at their opposite ends, and wall-engaging legs carried by the members adjacent the last mentioned bar.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

TOY B. FRY.

Witnesses:

H. R. WILLIAMS,
 JOE UTAY.