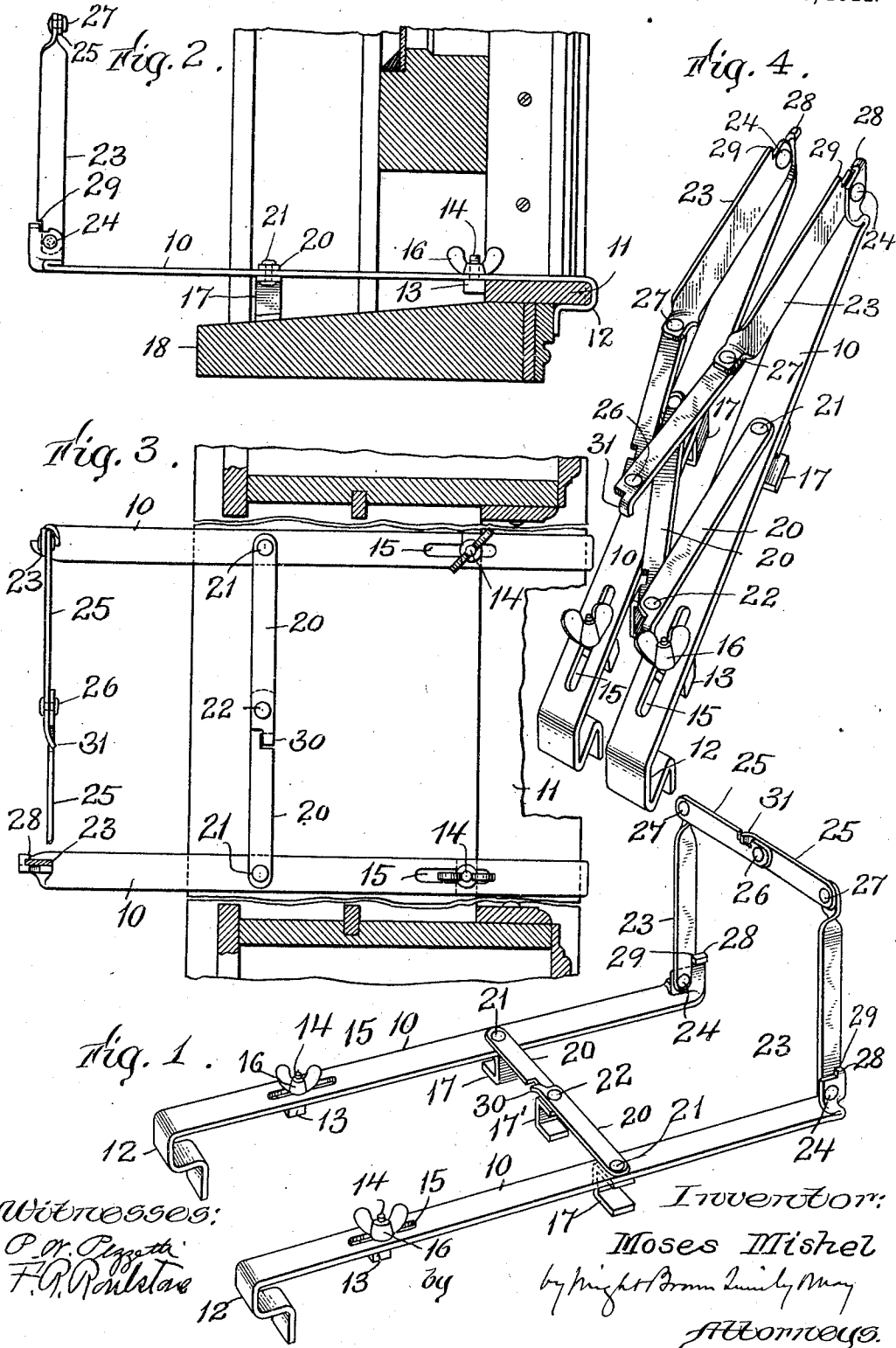


M. MISHEL.
WINDOW WASHING SEAT.
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UNITED STATES PATENT OFFICE.

MOSES MISHEL, OF REVERE, MASSACHUSETTS.

WINDOW-WASHING SEAT.

1,005,057.

Specification of Letters Patent.

Patented Oct. 3, 1911.

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To all whom it may concern:

Be it known that I, MOSES MISHEL, of Revere, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Window-Washing Seats, of which the following is a specification.

The object of the present invention is to provide a portable window seat upon which a person may sit while cleaning the outside of windows. The seat is provided with means adapted to embrace the window sill at the inner side of the window in order to provide the necessary means of support. The seat portion is jointed so that the structure may be collapsed laterally. A back rest is provided which is also jointed so that it may be collapsed laterally. The back rest is otherwise jointed so that it may be folded down upon the seat. The whole structure when not in use may be folded into a compact form and may be easily carried or stored in a small space.

Referring to the accompanying drawings which illustrate one form in which the invention may be embodied: Figure 1 represents a perspective view of the seat in open position. Fig. 2 represents a vertical section of a portion of a window frame with the seat attached in position for use. Fig. 3 represents a horizontal section of the window frame with the seat in plan view. Fig. 4 represents a perspective view of the seat in collapsed condition.

The same reference characters indicate the same parts wherever they occur.

The structure comprises main side bars adapted to extend through a window casing, a back rest and seat. The side bars are indicated at 10, 10. They may be straight, as shown, or slightly bent, if desired, so as to conform to the shape of the window structure to which they are applied. The inner ends of the supporting bars are provided with means adapted to embrace the under side of the inner sill, which is indicated at 11, for the purpose of holding the bars in supporting position. For this purpose the inner ends of the bars are preferably bent to form hooks 12, but it is obvious that the hooks for this purpose need not be integral parts of the bars. It is desirable to provide some means for locking the bars in position upon the sill, and for this purpose they are provided with abutments adapted to engage the outer edge of the sill. The abutments

for this purpose should be adjustable longitudinally of the bars so that they may be adapted to sills of different widths. The abutments illustrated are indicated at 13. They are provided with screw-threaded stems 14 which extend through longitudinal slots 15 in the bars, and with clamping nuts 16 by which they may be secured at the desired position.

As previously stated, the bars 10 may be straight or slightly bent to conform to the cross-section of the window frame. When they are straight, as shown, they are preferably provided with rests 17 adapted to bear upon the outer sill 18. (See Fig. 2.) The bars are connected substantially midway between their ends by toggle links 20, 20, the outer ends of the links being pivotally connected to the bars as indicated at 21, and the inner ends being connected to each other as indicated at 22. The joint at 22 is provided with a rest 17' which is likewise adapted to bear upon the sill 18. The links 20, 20, serve as a transverse support upon which the user may sit, although the outer portions of the bars 10, 10, serve the same purpose. It is obvious that more than one pair of links 20, 20, may be provided if desired.

The back rest comprises upright members 23 pivotally connected to the outer ends of the bars 10, as indicated at 24. The members 23 are connected by toggle links 25, 25. The toggle links are jointed by a pivot stud 26, and their outer ends are jointed with the members 23 by pivot studs 27. The joints at 24 adapt the back rest to be folded down upon the bars 10 when not in use. The members 10 and 23 are provided with coactive portions which are adapted to limit the opening movement of the back rest so as to hold it in the position shown by Figs. 1 and 2. For this purpose the ends of the bar 24 are provided with ears 28, and the members 23 are provided with shoulders 29 adapted to abut against the ears. The intermediate joints 22 and 26 adapt the structure to be collapsed laterally so that it may be folded as shown by Fig. 4. One link of each pair of links is provided with an ear adapted to engage the complementary link to limit opening movement. The ears for this purpose are indicated at 30 and 31.

The bars 10, members 23, links 20 and 25, and rests 17 and 17', may all be constructed of sheet metal and are illustrated as such. This is not expensive construction but is very

efficient and renders the seat capable of easy folding.

I claim:

1. A portable window seat comprising side
5 bars adapted to extend through a window
frame, the inner ends of said bars being
bent to form hooks to embrace the under side
of the sill, transverse links pivotally con-
10 nected to the side bars and pivotally con-
nected to each other between the side bars,
and a back rest comprising upright mem-
bers attached to the outer ends of the side
bars, and links pivotally connected to said
15 upright members, and pivotally connected to
each other between said members, both of
said sets of links being foldable whereby the
whole structure may be collapsed laterally.

2. A portable window seat comprising side
bars adapted to extend through a window
frame, the inner ends of said bars having 20
means for embracing the under face of the
sill, a back rest pivotally connected to the
outer ends of said bars so that it may be
folded down upon said bars when not in use,
and transverse bars connecting the side bars, 25
said transverse bars and back rest being
jointed so that the whole structure may be
collapsed laterally.

In testimony whereof I have affixed my
signature, in presence of two witnesses.

MOSES MISHEL.

Witnesses:

W. P. ABELL,

J. M. MURPHY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."