To all whom it may concern:

Be it known that I, Louis H. Loepfe, a citizen of the United States, and residing at St. Louis, Missouri, have invented the new and useful Improvement in Window-Cleaners' Seats, of which the following is a specification.

This invention relates to window seats such as are used by window cleaners to ensure comfort and safety when sitting on the outside of the window sill to clean the window.

One of the objects of this invention is to provide a window seat which shall be quickly and easily applied to the window sill and secured thereto. Another object of this invention is to provide a window seat which can be easily and quickly detached and folded up into a compact form so as to be easily portable.

Further objects will appear from the detail description taken in connection with the accompanying drawing, in which:

Figure 1 is a front elevation of a window seat embodying this invention;

Figure 2 is a side elevation of the same; and

Figure 3 is a portion of the device shown in plan.

With reference to the accompanying drawing, the seat comprises a folding frame consisting of a horizontal part comprising a pair of tubular members 1 properly framed together by cross-braces and hinged at 2 to an upright part comprising a tubular frame 3 carrying the seat back 4. Mounted on each tubular member 1 is a downwardly extending foot 5 adapted to rest upon the outer sill 6. Pivoted at 7 to the foot 5 is a rearwardly extending hook 8 adapted to engage the inner face of the sill 6 and having an extension engaged by a tension-spring 9 and fixed at its other end to a fitting 10 on the end of the tubular member 1.

Passing through the tubular members 1 are a pair of rods 11 joined at the front by a cross rod 12 and provided with a pair of hooks 13 adapted to take over the head on the inner sill so as to engage the inner face of the sill. A manipulative handle 14 may be attached to the cross-rod 12. A pair of tension springs 15 are attached at one end to the cross-rod 12 and at the other to the frame adjacent the foot 5. These springs tend to move the rods 11 rearwardly through the tubular members 1, thereby carrying the hooks 13 rearwardly so as to exert a yielding pressure on the inner sill to retain said hooks in engagement therewith.

Mounted on each tubular member 1 are two lugs 16 and 17 spaced from one another and having holes drilled therethrough to receive one leg of a bent rod 18, the other leg of which may be turned sideways and set at an angle in such a position as to engage the side frames of the window as illustrated in Figure 1. The lug 17 is provided with a clamping screw 19 to clamp the rod 18 in adjusted position. The tubular member 1 is provided with a similar clamping screw 20 so as to clamp the rod 11 securely in position after properly mounting the seat on the sill.

A seat 21 is provided properly attached to the horizontal frame and the back 4 to the upright frame 3 so as to accommodate the sitter. A pair of toggle levers 22 connects the horizontal frame with the vertical frame 3 on each side.

In operation the seat is applied to the window sill with the clamping screw 20 loosened. This allows the rods 11 to play back and forth through the tubular members 1. The seat is placed upon the outer sill so that the foot 5 rests upon the sill and the hook 8 engages the outside thereof. The foot 5 and the hook 8 together form an abutment which is adapted to rest upon the outer sill and engage the outside thereof and against which the tension of the springs 9 and 15 operates. These springs move the hooks 13 into yielding engagement with the inner sill. By this means the seat may be quickly and securely set in position and engaged with the sill, after which the clamping screws 20 are tightened so as to secure such engagement and render the seat absolutely rigid and secure against displacement.

The rods 18 may now be adjusted to proper engagement with the window frames and the clamping screws 19 tightened to secure them in such adjustment.

The seat may be quickly removed by loosening the screws 19 and 20, breaking the toggle 22 so as to fold the back 4 down upon the seat 21, turning the rods 18 inwardly to folded position across the front of the seat and then by grasping the handle 14,
pulling the hooks 13 out of engagement with the inner sill and lifting the seat off of the sill.

It is obvious that various changes may be made in details of construction without departing from the spirit of this invention; it is, therefore, to be understood that this invention is not to be limited to the specific details shown and described.

Having thus described the invention, what is claimed is:

1. A window seat, comprising, a frame adapted to support the seat, a yielding abutment mounted on said frame and adapted to engage the outer sill, securing means adapted to engage the inner sill, and means for yieldingly retaining said securing means in such engagement.

2. A window seat, comprising, a frame adapted to support the seat, an abutment mounted on said frame and adapted to engage the outer sill, securing means adapted to engage the inner sill, means for yieldingly retaining said securing means in engagement, and means for clamping said securing means in engaged position.

3. A window seat, comprising, a frame adapted to support the seat, an abutment mounted on said frame and adapted to rest upon the outer sill and to engage the outside thereof, a hook adapted to engage the inner sill, spring means for maintaining said abutment and said hook in engagement with the sill, and a clamp adapted to secure said engagement.

4. A window seat, comprising, a frame adapted to support the seat, an abutment mounted on said frame and adapted to engage the outer sill, securing means adapted to engage the inner sill, means for yieldingly retaining said securing means in such engagement, and a member engaging the inner window frame adapted to prevent tipping of the seat.

5. A window seat, comprising, a frame adapted to support the seat, an abutment mounted on said frame and adapted to engage the outer sill, securing means adapted to engage the inner sill, means for yieldingly retaining said securing means in such engagement, and an adjustable member engaging the inner window frame adapted to prevent tipping of the seat.

In testimony whereof I affix my signature this 18th day of June, 1921.

LOUIS H. LOEPEE.