Apr. 3, 1923

1,450,353

S. CHAPMAN

WINDOW SEATING ATTACHMENT

Filed May. 10, 1921

Fig. 1.

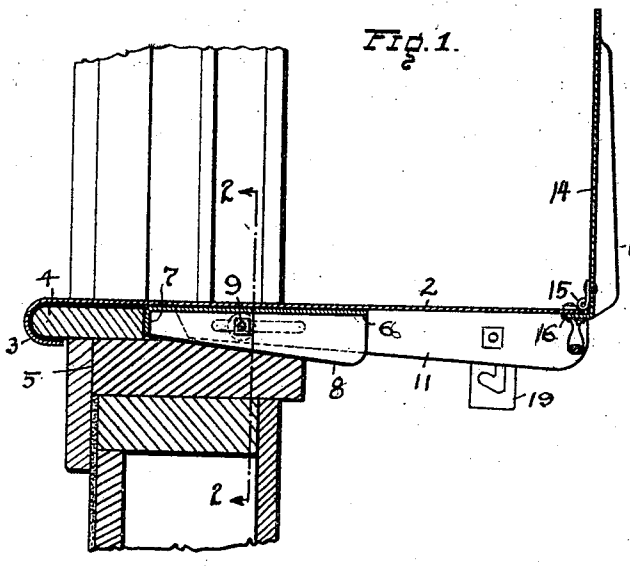


Fig. 3.

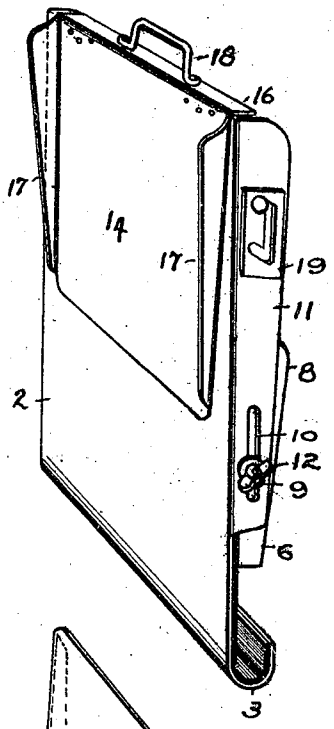


Fig. 2.

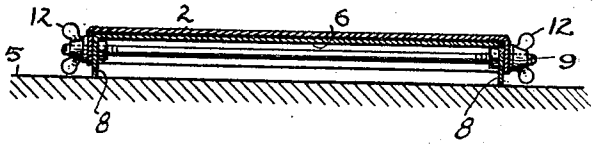
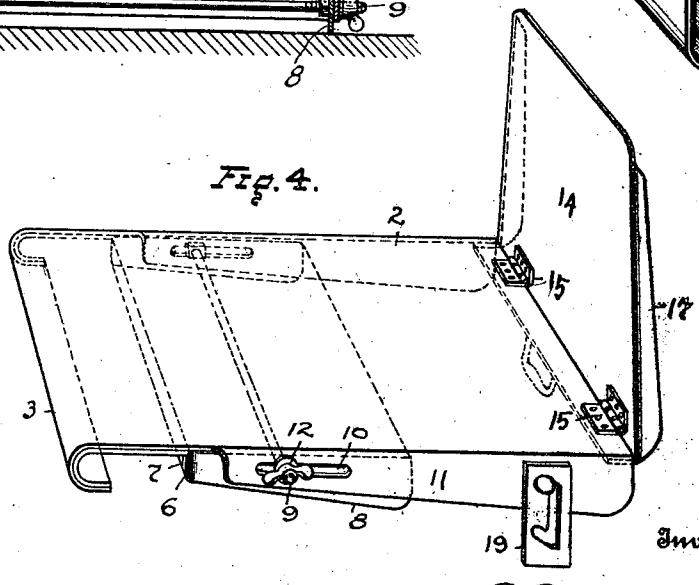


Fig. 4.



Inventor

S. CHAPMAN

By

Attorneys

Patented Apr. 3, 1923. 1,450,353

UNITED STATES PATENT OFFICE.

SAMUEL CHAPMAN, OF CLEVELAND, OHIO.

WINDOW SEATING ATTACHMENT.

Application filed May 10, 1921. Serial No. 468,291.

To all whom it may concern:

Be it known that I, SAMUEL CHAPMAN, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in a Window Seating Attachment, of which the following is a specification.

The present invention provides a safe and stable support and seat adapted to be conveniently and firmly attached and mounted upon the sill of a window frame and in a projecting position on the outside thereof so as to permit a person to either sit or stand on the seat to cleanse the windows on the outside. As constructed this attachable seat is stamped or pressed from sheet metal, preferably aluminum and the parts are foldable and adjustable, and when folded a compact article is provided which may be conveniently carried by a handle fixed to the folding back of the seat, all as hereinafter more fully described and more particularly pointed out in the claims.

In the drawings accompanying this application, Fig. 1 is a vertical section of my improved window seating attachment mounted and attached to a sill in the frame as in use. Fig. 2 is a vertical cross section of the device on line 2—2 of Fig. 1. Fig. 3 is a perspective view of the device folded and as it appears when being carried. Fig. 4 is a perspective view of the device unfolded.

The invention comprises a sheet metal plate 2 hereinafter referred to as the seat, and this plate has one end thereof curled downwardly and inwardly to provide a hook-shaped extremity 3 extending the full width of said plate, whereby the seat may be securely affixed to the sealing cross piece 4 which forms a rigid part of window sill 5. The upper side of sill 5 in the average window frame slopes downwardly and forwardly to provide a water shed, and this formation of the window sill is taken advantage of in the present device to provide a stable support for seat 2 through the medium of a second sheet metal plate 6 having a short straight downwardly bent flange 7 at its front side and two beveled or tapering flanges 8 on opposite ends thereof which end flanges conform to the sloping upper side of sill 5, so that the bottom edges of flanges 8 may rest thereon to firmly support seat 2 intermediate its inner and outer extremities, especially when plate 6 is clamped against base piece 4 as shown in Fig. 1. A rigid clamping effect is obtained by a screw-threaded rod or bolt 9 extending transversely beneath plate 6 and other registering openings in flanges 8 where the ends of said bolt project through horizontal slots 10 in the depending flanges 11 of seat 2. Thumb nuts 12 engage the screw-threaded ends of bolt or tie rod 9 to clamp the parts together when the seat is in hooked engagement with the sill strip 4, and when the seat is attached to the sill in this manner, it is impossible for it to become detached and it affords a very rigid connection and support notwithstanding that the parts are made of relatively thin sheet aluminum. The side flanges 11 extend from the outer end of seat 2 toward the hook-shaped extremity 3 and terminate a short distance from said extremity to permit the seat to rest upon sill piece 4 with flanges 11 projected downwardly toward the water shed side of sill 5, and the gap between hook 3 and the ends of flanges 11 is sufficient to permit the seat to be attached to window frames having sill strips 4 of different widths, and clamping plate 6 is adjustable also to strips 4 of different widths. The outer end of seat 2 is provided with a folding back 14 secured by hinges 15 to permit said back to be folded flush and parallel upon the upper side of seat 2. Right angled flange 16 adjacent hinges 15 serves as a stop and limits the unfolding of back 14 when raised to a vertical position as shown in Fig. 1. Flanges 17 at each side edge of the plate forming the back member 14 stiffen and strengthen this member so that a person sitting upon the seat may be safely sustained and supported when leaning backward. A handle 18 is riveted to the end face of flange 16 of member 14 and this handle projects upwardly when the parts are folded so that the device will be suspended from the handle and may be conveniently carried from place to place.

In Fig. 4 I show a short pivoted plate folded to the side faces of flanges 11 and this plate may have notched slots so that it may be raised or lowered relatively to the seat. This supplemental piece 19 is used only when the seat is attached to window frames in brick buildings where the brick wall projects beyond the window sill and

permits the pieces 19 to engage and rest upon the brick wall to serve as additional adjustable supports for the seat.

What I claim is:

1. A window seating attachment, comprising a sheet metal seat having strengthening flanges extending part of its length at each side thereof and provided with a hook-shaped extremity at its front end and a folding back at its opposite end, and a clamping plate having a front clamping flange and side tapering flanges adapted to rest upon a sloping sill, and a tie rod and thumb nuts extending through said side flanges and transversely beneath said seat and clamping plate, and thumb nuts engaged with the ends of said tie rods.

2. A window seating attachment, comprising a sheet metal seat having a hook-shaped extremity and slotted side flanges, a clamping and supporting plate having tapered flanges slidably engaged with the side flanges of said seat member, a tie rod extending through the slotted and tapering flanges, and thumb nuts for said tie rod engaged with said flanges.

3. A window seating attachment, comprising a sheet metal seat having one end curved downwardly and inwardly and provided at its opposite end with a hinged folding back having a stop flange at its hinged side engageable with the under side of said seat, and a hand grip affixed to the flange of said folding back.

SAMUEL CHAPMAN.