

T. S. RICHARDSON.

WINDOW SEAT.

APPLICATION FILED AUG. 28, 1907.

962,468.

Patented June 28, 1910.

3 SHEETS—SHEET 1.

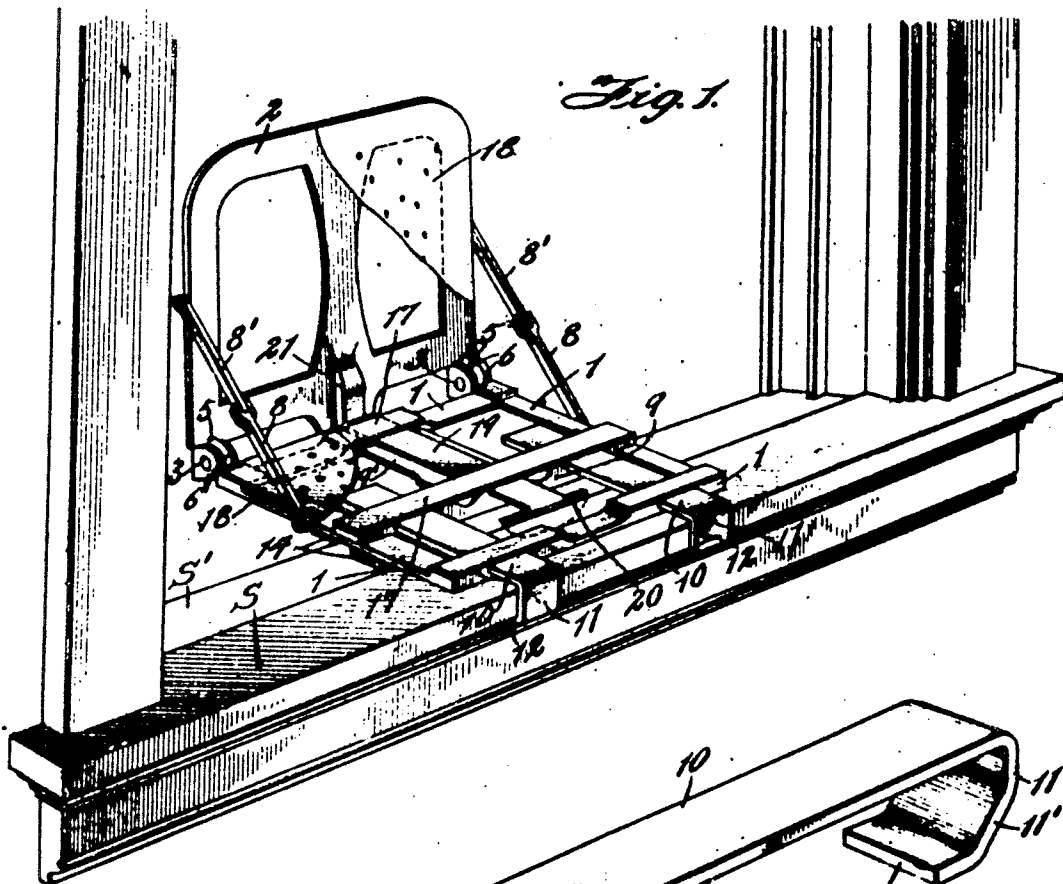


Fig. 1.

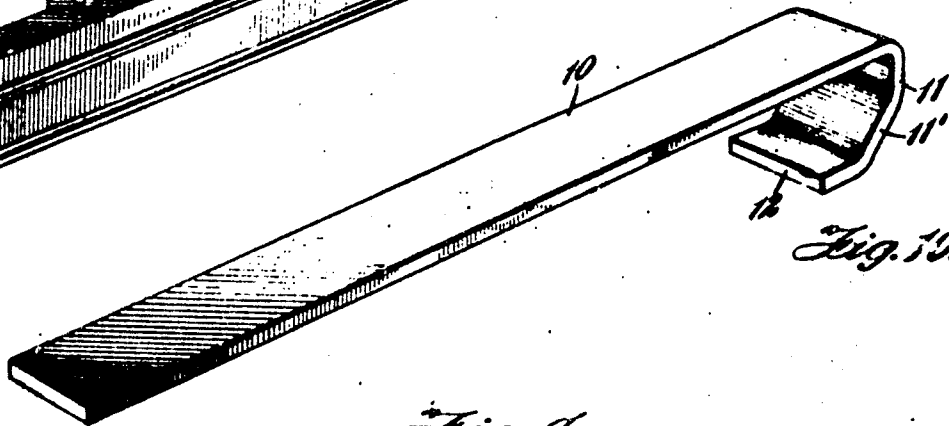
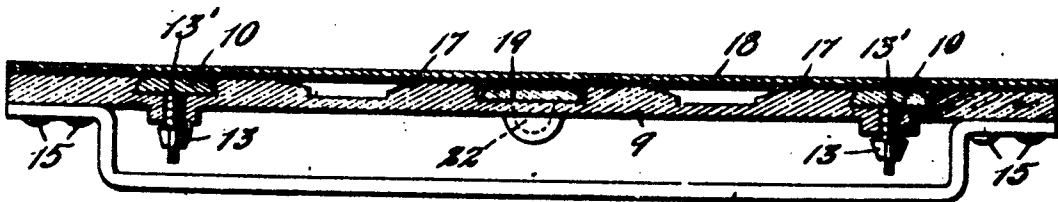


Fig. 4.



Witnesses:

Edw. D. Perry

John H. Nelson Jr.

Inventor:

Theodore Scott Richardson

by Hill & Hill

Attors.

T. S. RICHARDSON.

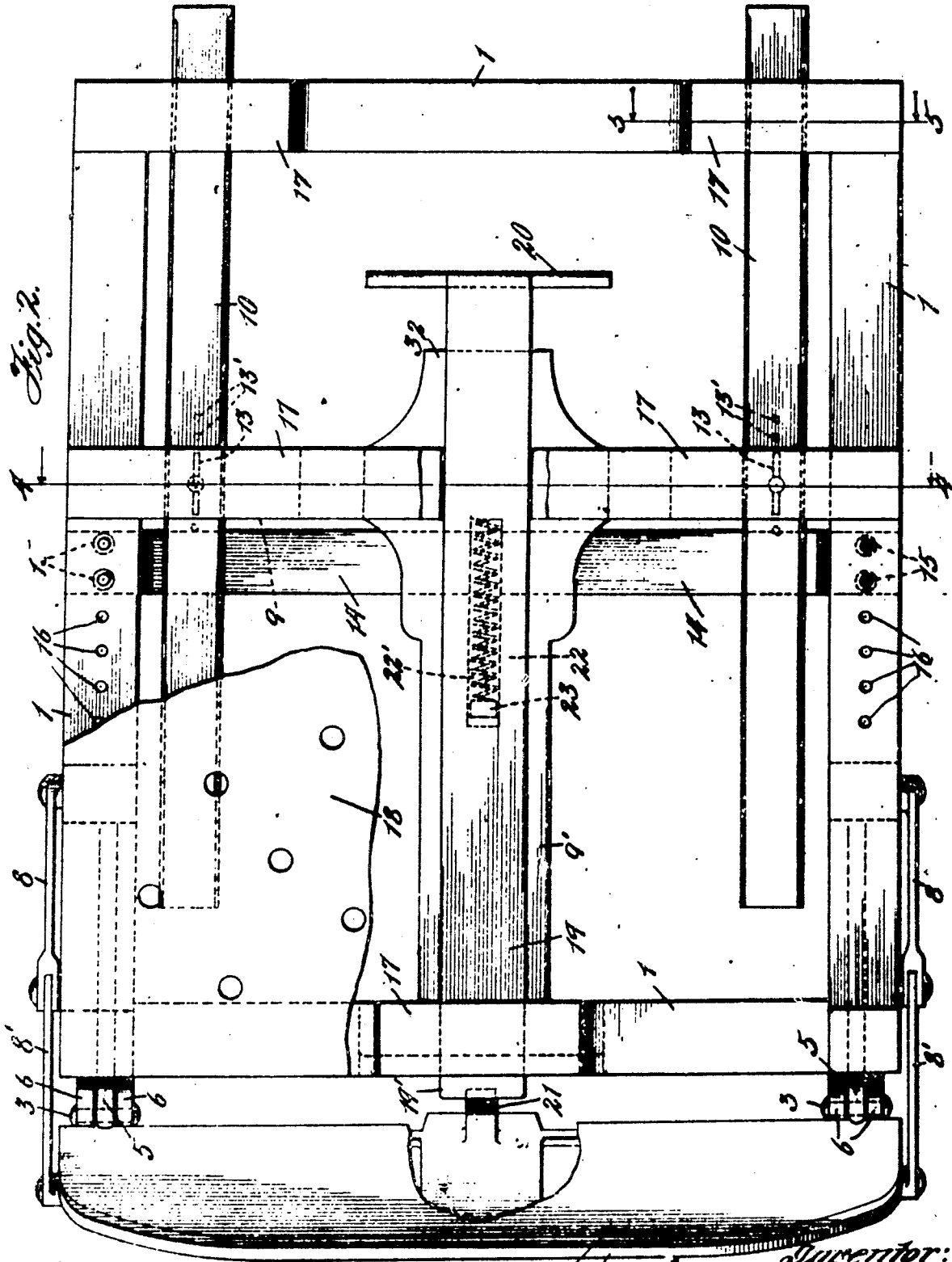
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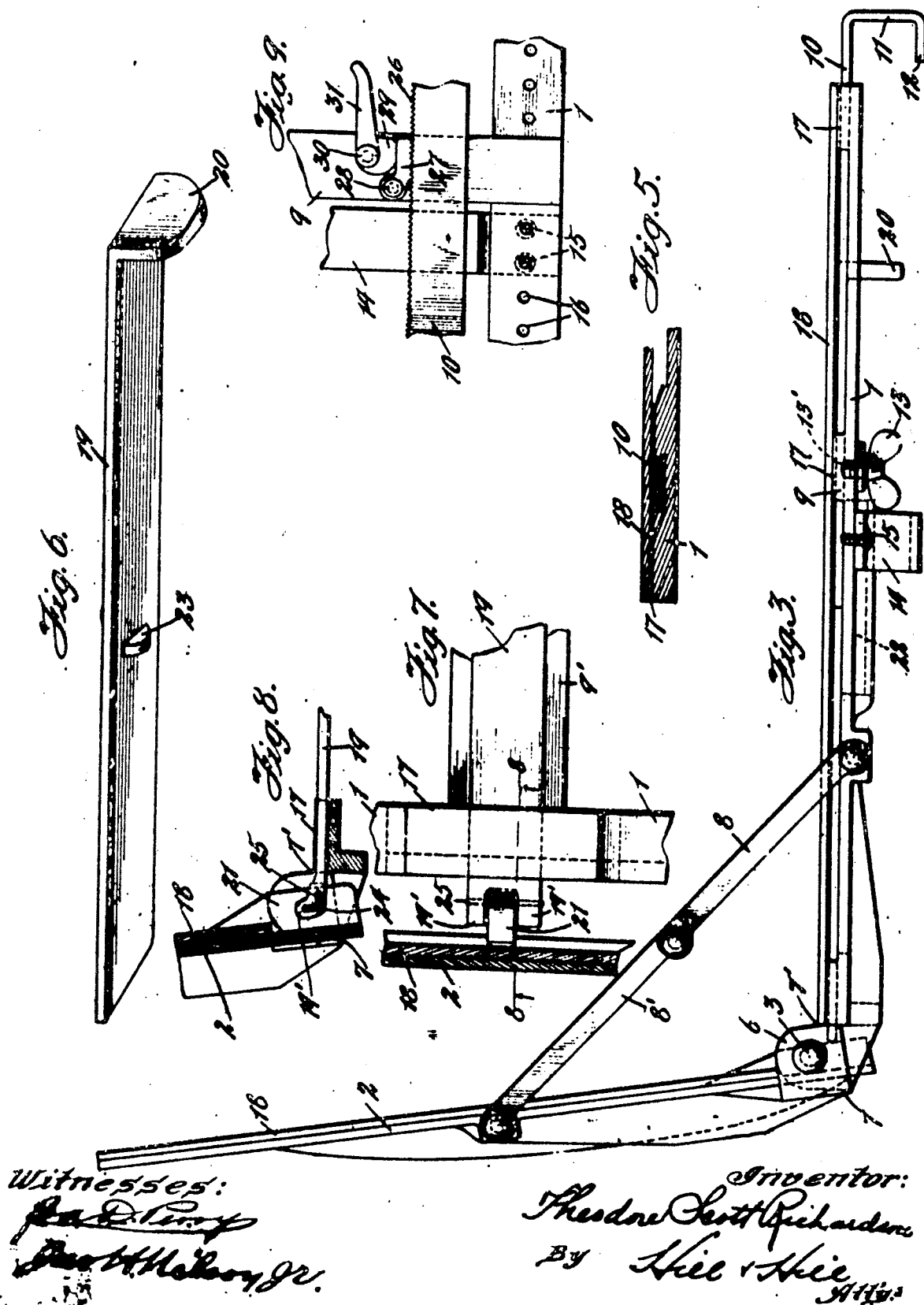


Witnesses:
Thos. Perry
J. Mott Melroy Jr.

Inventor:
Theodore Scott Richardson
By Hie & Hie
Attys.

T. S. RICHARDSON.
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3 SHEETS--SHEET 3.



UNITED STATES PATENT OFFICE.

THEODORE SCOTT RICHARDSON, OF CHICAGO, ILLINOIS.

WINDOW-SEAT.

962,468.

Specification of Letters Patent.

Patented June 28, 1910.

Application filed August 28, 1907. Serial No. 390,432.

To all whom it may concern:

Be it known that I, THEODORE SCOTT RICHARDSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Window-Seats, of which the following is a description.

My invention belongs to that class of devices known as window seats and particularly to that class of portable seats or the like, adapted to be used on the outside of windows while cleaning the same.

It has for its objects the production of a safe, convenient, simple and efficient device of the kind described.

To this end my invention consists in the novel construction, arrangement and combination of parts herein shown and described and more particularly pointed out in the claims.

In the drawings wherein like reference characters indicate like or corresponding parts, Figure 1 is a perspective view of my preferred form of device. Fig. 2 is a top elevation of the same. Fig. 3 is a side elevation of the same. Fig. 4 is a cross sectional view taken on line 4-4 of Fig. 2. Fig. 5 is a sectional view taken on line 5-5 of Fig. 2. Fig. 6 is a perspective view of my preferred form of clamping member. Fig. 7 is a top elevation of a modified arrangement of the clamping member and cooperating part on the back of the seat. Fig. 8 is a longitudinal cross sectional view taken substantially on line 8-8 of Fig. 7. Fig. 9 is a view in elevation (seating removed) showing a modified arrangement for adjusting the sill engaging members relatively to the device and Fig. 10 is a perspective view of a modified form of sill engaging member.

Referring to the drawings in which my preferred form of device is shown, 1 is what I shall hereafter term the seat member, and 2, the back therefor, pivotally secured to the seat in any suitable or desired manner preferably so that it will fold thereon. In the form shown, the parts are pivotally secured together by pins 3 or their equivalents for the purpose, hinge lugs 6 being provided on the back member 2 arranged to cooperate with lugs 5 on the seat member 1. As shown, the hinge members or the lugs are arranged so that they will engage with the seat member 1 and the back member 2 at points 7 and 7' respectively and form stops

for the back member 2 when open and in operative position. Bracing members 8, 8' or their equivalents may be employed on one or both sides of the device or at some other convenient place if desired. In the preferred form they are constructed so as to prevent the back member 2 from accidentally folding down when in use, as well as to assist in supporting the back when open.

While in the preferred form of device shown, the frames of the seat and back members 1 and 2 are made of metal and a suitable seating 18 provided thereon, it is obvious that any suitable material may be used for the purpose.

Referring to Fig. 1 in which the preferred form of device is shown in operative position in a window, S is the inner sill of the window and S' is the outer sill or window ledge. On the seat member 1, are arranged one or more sill engaging members 10-10, which are preferably bent downward and back as at 11 and 12 to suitably engage the inner edge of the sill S. These sill engaging members 10-10 or their equivalents for the purpose are preferably made adjustable on the seat member 1 so that the device may be adjusted to any width or style of window sill. As is most clearly shown in Figs. 2, 3, 4 and 5, the engaging members 10-10 are suitably seated and retained in depressions in the front of the frame of the seat member 1 and the cross bar 9, thumb screws 13 or their equivalents for the purpose being employed to secure them in the desired operative adjustment. A plurality of depressions 13' may be arranged in the members 10 as shown, in which the ends of the thumb screws may seat to give a more secure adjustment.

A supporting member 14 is preferably provided on the under side of the seat member as shown, to support the outer end of the seat member on the outside sill or ledge S' on the outer side of the sill S. This supporting member may be made adjustable on the frame if desired, screws 15 and a plurality of holes 16 or their equivalents being provided to adjustably secure the same in place.

Any suitable means may be employed to clamp or secure the device in operative position. As is shown, a sill clamping member 19 is arranged on the seat member 1 and provided with a head 20 arranged to butt against the outer edge of the sill S. In the preferred form, the clamping mem-

bar is extended as at 19' and arranged to operatively cooperate with the extension 21 on the back member 2 when the same is opened so that opening the back member 2 forces the clamping member 19 against the outer edge of the window sill S, and retain it in that position. If desired any suitable means may be employed to normally keep the clamping member 19 out of operative position when the back is folded. As is most clearly shown in Fig. 2, a depression 22' is arranged on the bar 9' of the seat member 1 and a resilient member 22 placed therein adapted to cooperate with a lug 23 on the underside of the clamping member 19 and thus normally keep the end 20 of the clamping member 19 against the stop 32 on the cross bar 9.

Referring to Figs. 7 and 8, a modified arrangement of the clamping member 19 is shown. In this form the end 19' of the member 19 is provided with a slot 24 and arranged to operatively cooperate with a pin 25 on the extension 21 of the back member 2. As is obvious, as the back member 2 is folded upon the seat member 1, the clamping member 19 and the end 20 thereof will be withdrawn from the sill S, and vice versa, the end 20 will be forced and retained against the sill to clamp or lock the device in operative position when the back is opened. It will thus be seen that in either of these forms, the back member 2 preferably cooperates with the clamping member 19 to secure the device in operative position for use on a window or the like.

As before stated, any suitable means may be employed for adjustably securing the engaging members 10, to the seat member 1 if the same is so desired. In the modified form shown in Fig. 9, one edge of the members 10 is provided with teeth 26 arranged to cooperate with teeth on the member 27 which is pivotally secured at point 28 to the cross bar 9. The member 27 is retained in engagement with the engaging members 10 by means of a cam member 29 pivotally secured to the cross member 9 and operated by the lever 31 or its equivalent for the purpose.

If desired, thin metal plates 17 or their equivalents may be arranged as shown to protect the seating 18 which is arranged on the seat member 1 and the back 2 from any wear that might possibly be occasioned by the sliding back and forth of the clamping member 19 or the engaging members 10 in their adjustment.

Fig. 10 shows a slightly modified arrangement of the clamping member in that the hook is bent in a manner that will make it adaptable for various styles of sills S, that is, the direction of the extended part 11 is again changed as at 11'. It should be noted

that in my preferred form of device shown, backward movement of the back member 2 beyond its operative open position, is prevented by means of stops 7-7' (or stop hinges) by the brace members 8, 8' and by the extension 21 contacting with the clamping member 19 giving a very strong, rigid and safe construction. Additional bracing and strengthening of the various parts may be made if desired.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the form, design and construction within the scope of the appended claims without departing from the spirit of my invention, hence I do not wish to be understood as limiting myself to the exact form and construction shown.

What I claim as new and desire to secure by Letters Patent is,

1. In a device of the kind described and in combination, a seat member provided with adjustable sill engaging hooks at the front edge on each side thereof, means for adjustably securing said hooks in position, a slidable adjustable sill clamping member arranged on the lower face of said seat member and provided with an extension to the back edge thereof, said seat member provided with a support on the inside thereof arranged to support the outer edge, a back member pivotally secured to said seat member and arranged to fold thereon said back member provided with an extension arranged to cooperate with said clamping member extension and control the same.

2. In a device of the kind described and in combination, a seat member provided with adjustable sill engaging hooks at the front edge on each side thereof, means for adjustably securing said hooks in position, a slidable adjustable sill clamping member arranged on the lower face of said seat member and provided with an extension to the back edge thereof, a supporting member adjustably secured on the inside of said seat and arranged to support the outer edge thereof, a back member pivotally secured to said seat member at the back edge thereof and arranged to fold thereon, said back member provided with a part extended to and arranged to cooperate with said clamping member extension and means for securing said back and clamping members together at said extensions, and means for limiting the movement of said back member.

In testimony whereof, I have hereunto signed my name in the presence of two witnesses.

THEODORE SCOTT RICHARDS.

Witnesses:

ROY W. HULL,

CHARLES I. CORN.