

(No Model.)

2 Sheets—Sheet 1.

E. B. GILDERSLEEVE.
WINDOW CHAIR.

No. 483,608.

Patented Oct. 4, 1892.

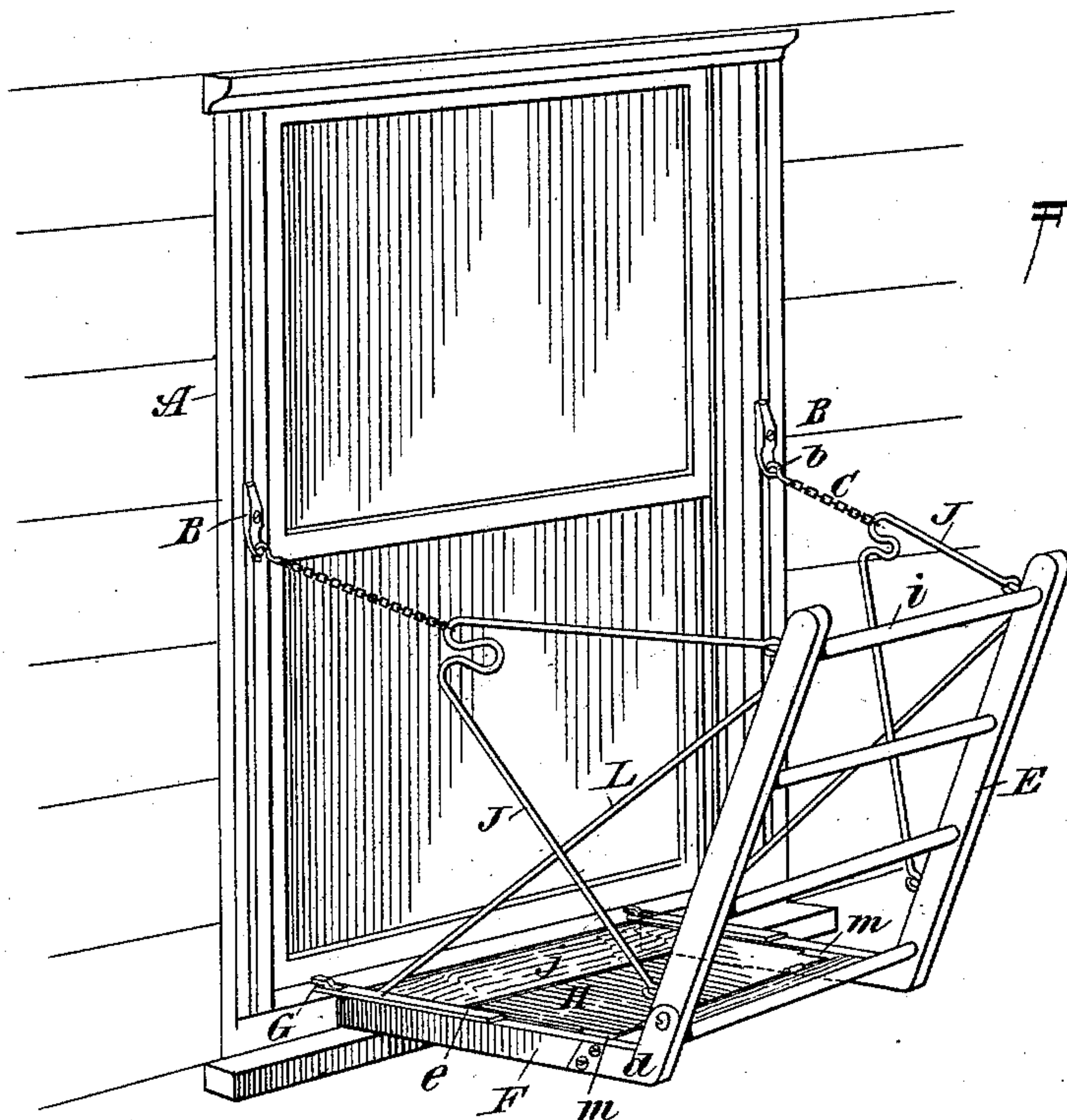


Fig. 1.

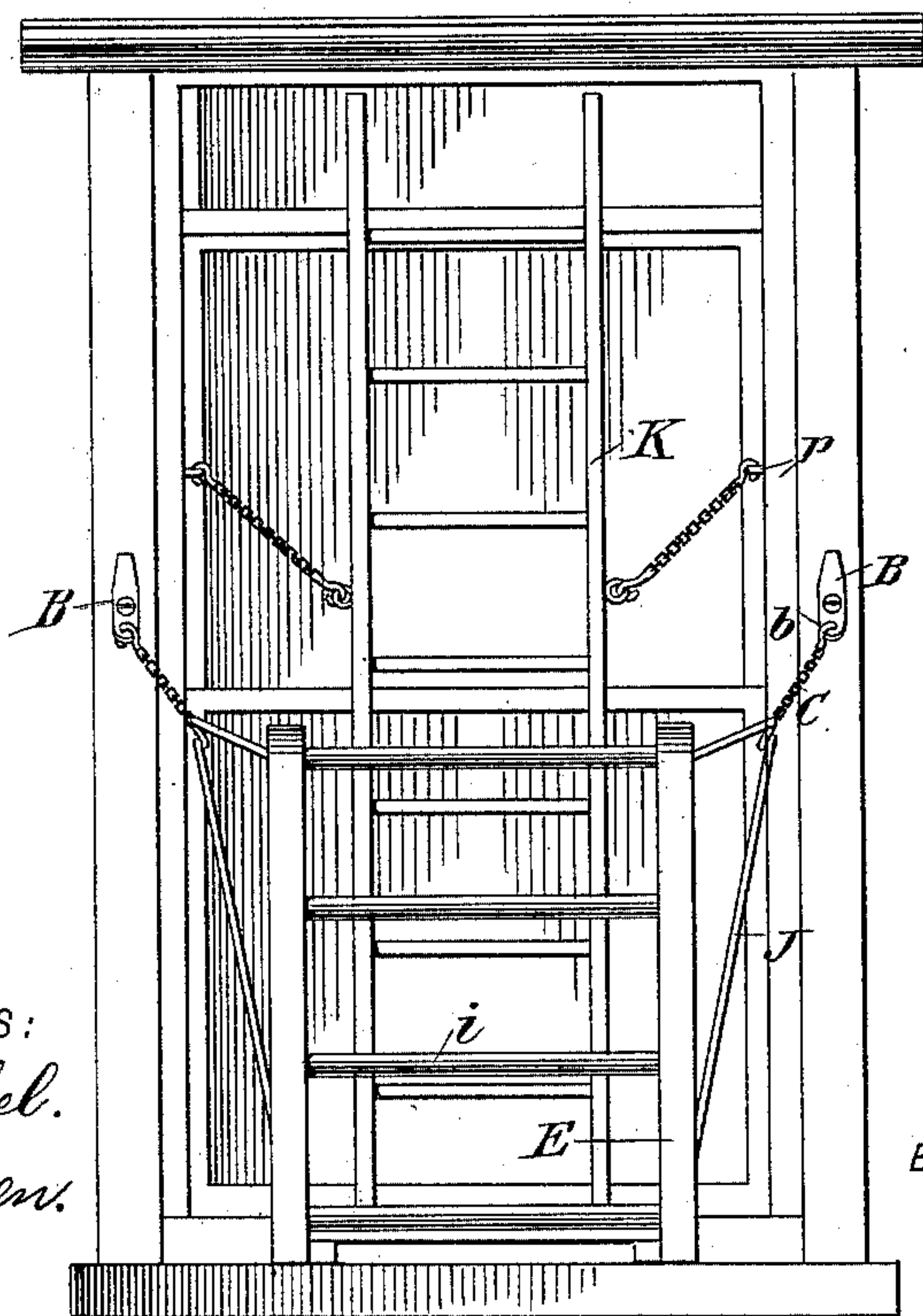


Fig. 2.

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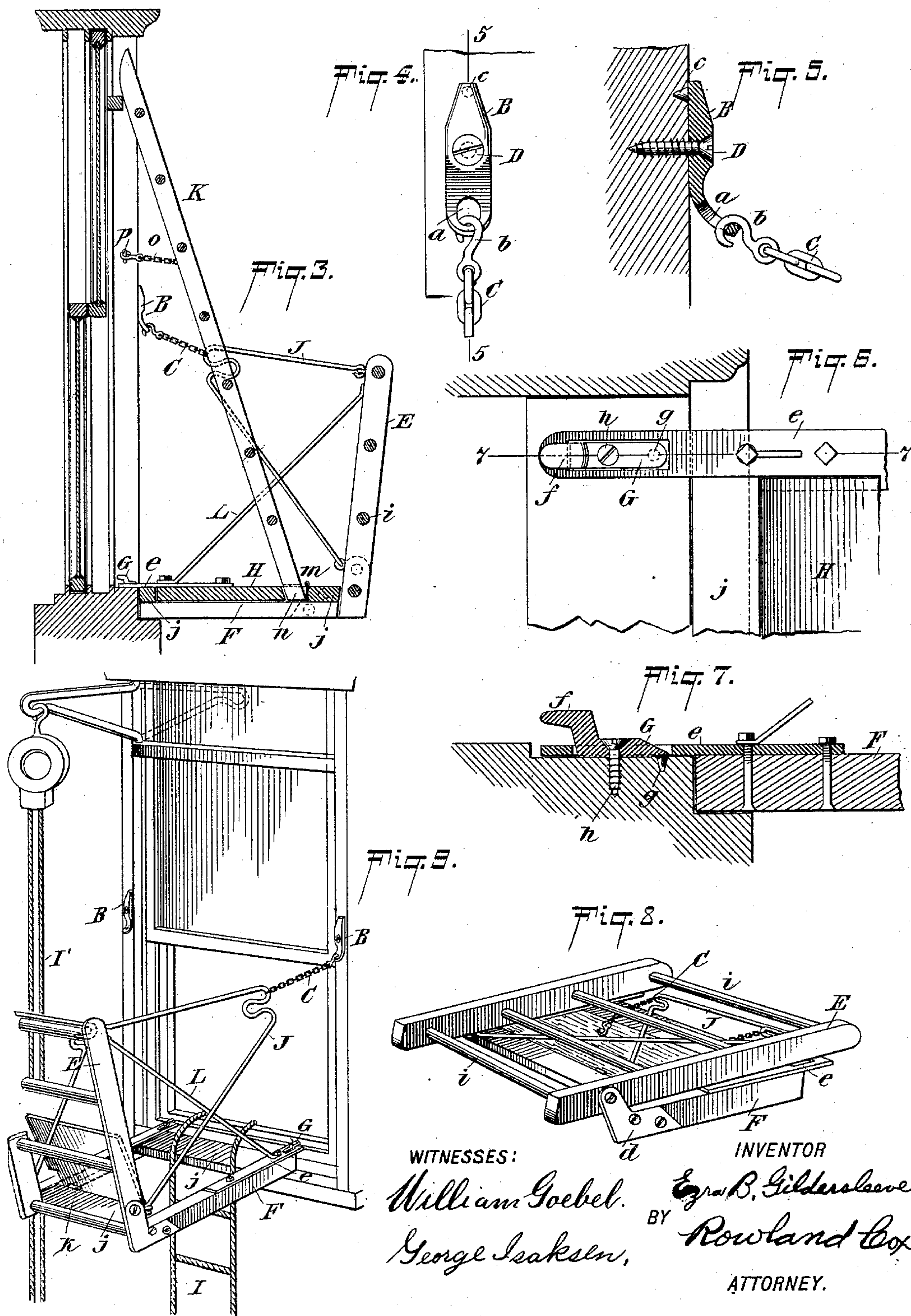
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UNITED STATES PATENT OFFICE.

EZRA B. GILDERSLEEVE, OF NEW YORK, N. Y.

WINDOW-CHAIR.

SPECIFICATION forming part of Letters Patent No. 483,608, dated October 4, 1892.

Application filed April 6, 1892. Serial No. 427,976. (No model.)

To all whom it may concern:

Be it known that I, EZRA B. GILDERSLEEVE, a citizen of the United States, and a resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Window-Chairs, of which the following is a specification.

My invention relates to an improvement in chairs or supports for attachment to windows for holding or supporting a person while cleaning said windows, the object of the same being to provide an article of this kind which shall be light and strong, easily and readily attached to and detached from the window-frame, and which when not in use may be folded within a narrow compass and easily carried or transported from place to place.

With these and other ends in view my invention consists in certain novel features of construction and combination of parts, as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of a chair or seat attached to a window-frame and constructed in accordance with my invention. Fig. 2 is a front view thereof and having the ladder combined therewith for the purpose of allowing the upper portion of the window to be cleaned. Fig. 3 is a sectional view thereof. Fig. 4 is a detailed view of a hook or catch secured to the window-frame for the attaching of a chair or seat. Fig. 5 is a sectional view thereof taken on the line 5 5 of Fig. 4. Fig. 6 is a detailed view showing the attachment of the seat proper to the window-frame. Fig. 7 is a sectional view thereof taken on the line 7 7 of Fig. 6. Fig. 8 is a perspective view of the chair or seat in its folded adjustment. Fig. 9 is a perspective view showing the device attached to a window-frame and having the seat proper folded up against the back.

With reference to the drawings, A represents a window-frame constructed in the ordinary manner and having secured thereto hooks or catches B, the lower end of each of which is bent outwardly, as shown in Figs. 4 and 5, and provided with an opening α for engagement with the hook b on the end of a chain C, secured at its opposite ends to the chair or support, as hereinafter described.

The hook or catch B is secured to the window-frame by means of a screw D, one end of said catch B being provided with the lug or projection c , adapted to enter the wooden frame of the window and prevent the hook from turning or becoming disengaged from said frame.

E represents the uprights of the chair or support, pivoted or hinged at their lower ends to the horizontal pieces F by means of the angle-irons d to allow of said supports being folded down upon said horizontal pieces F when not in use, as shown in Fig. 8.

To the inner or free ends of the pieces F are secured the metal strips or plates e , having openings in their extreme ends for engagement with the catches G, as shown in Figs. 6 and 7, said catches or hooks G having one end bent into the form of a hook f and the opposite ends formed with a lug or projection g , to assist the screw h in securing said catches or hooks G to the sill or frame of the window.

The uprights E are connected by means of the cross-pieces i and the horizontal pieces F by means of the cross-pieces j , (shown in Fig. 3,) said horizontal pieces being cut away to form shoulders or seats k , Fig. 9, for holding or supporting the hinged seat proper H, Fig. 1, which seat when the article is not in use, though attached to a window-frame, may be folded against the back, as shown in Fig. 9 of the drawings, to allow a person in case of necessity to pass down a ladder or other fire-escape I. When, however, it is desired to have the article in adjustment for use to act as a support for a person cleaning the window, the seat proper H is thrown down in position upon the shoulders K of the horizontal pieces F, as shown in Fig. 1 of the drawings. In this adjustment the chair may be also utilized to allow a person to reach a rope or fire-escape I' when such is employed, one of the guards being first detached from the window-frame and folded against the back to allow the person to step off the chair on that side, as shown in Fig. 9.

To the upper and lower ends of the uprights E are secured the ends of the guards J, preferably made of strap-iron or strong wire, and adapted to fold inwardly against the back of the chair or support when not in use, as shown in Fig. 8. To these guards J are

secured the ends of the chains C, the opposite ends of which latter engage with the hooks or catches B, said chains C and metal strips *e* engaging, respectively, with the catches B and
 5 G, holding the article in its proper position in relation to the window-frames. When desired to disengage the article from the frame, it is simply necessary to detach the hooks *b* from the hooks B and the metal strips *e* from
 10 the hook G.

The seat proper H is provided with two small openings *m* for the reception of the metal pieces or plates *n*, secured to the lower ends of a ladder K, the ends of said ladder
 15 when in position bearing or resting on said seat proper H and prevented against movement by said metal plates *n* and by chains *o*, one end thereof being secured to the ladder K and the opposite ends being provided with
 20 a hook or catch to engage staples *p*, secured to the window-frame. By this arrangement a person will be enabled to clean the upper portion or portions of a window which might not be accessible or within reach when sit-
 25 ting or standing in or upon the chair or support itself. If desired, the supports and pieces E F may be strengthened by means of the rods L, removably secured thereto.

It will be seen from the above description
 30 that my invention is exceedingly simple in construction, can be manufactured at a small cost, easily and readily attached to and de-

tached from a window, and when folded occupies but very little room, and is thus easily carried or transported from place to place. 35

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A chair or support constructed with up- rights E and horizontal pieces F, hinged or
 40 pivoted together by means of the angle-irons *d*, said uprights E having secured thereto the guards J, adapted to be folded inwardly, and means for securing said guards J and pieces F to the window-frames, substantially as de- 45 scribed.

2. A window-cleaning chair or support constructed with uprights E, hinged to the horizon- tal pieces F, the latter having supported there- on the hinged seat proper H, and provided 50 with guards J, having chains secured thereto for attachment to the window-frame, and with metal plates secured to said horizontal pieces F for attachment to said window-frame, in combination with a ladder detachably secured 55 to said chair and to said window-frame, substantially as described.

Signed at New York city, in the county of New York and State of New York, this 25th day of March, A. D. 1892.

EZRA B. GILDERSLEEVE.

Witnesses:

HERMAN GUSTOW,
 GEORGE ISAKSEN.