

(No Model.)

F. J. KECK.
WINDOW CHAIR.

No. 502,971.

Patented Aug. 8, 1893.

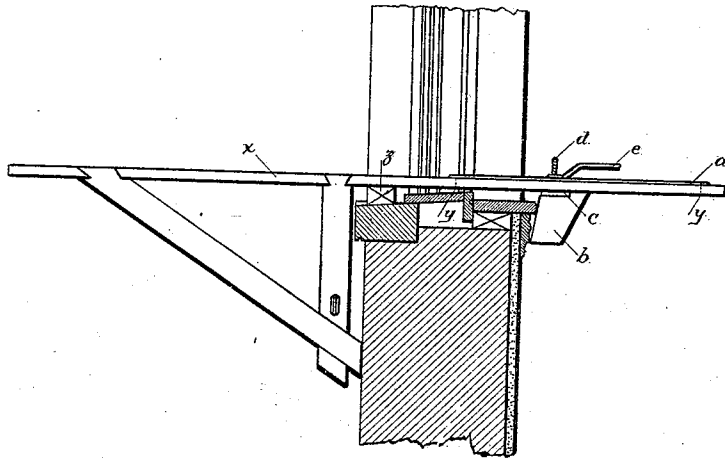


Fig. 1.

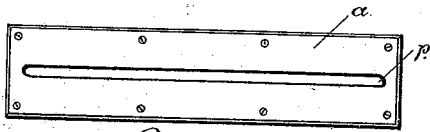


Fig. 2.

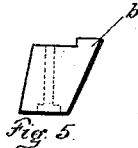


Fig. 5.

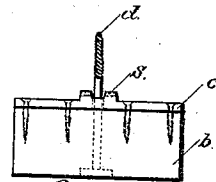


Fig. 6.

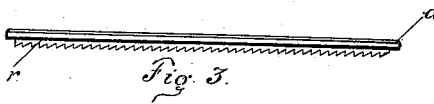


Fig. 3.



Fig. 7.



Fig. 9.

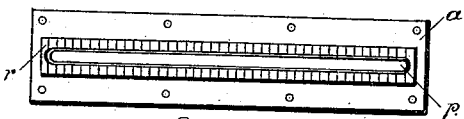


Fig. 4.

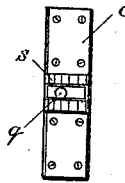


Fig. 8.

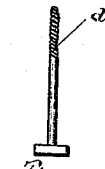


Fig. 10.

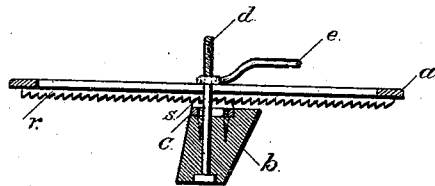


Fig. 11.

WITNESSES.

Geo. C. Truch.
Roland A. Fitzgerald.

INVENTOR.

Franklin J. Keck
By Lehmann, Patterson & Nesbit attys

UNITED STATES PATENT OFFICE.

FRANKLIN J. KECK, OF ALLENTOWN, PENNSYLVANIA, ASSIGNOR OF ONE-FOURTH TO FRED G. W. RUNK, OF SAME PLACE.

WINDOW-CHAIR.

SPECIFICATION forming part of Letters Patent No. 502,971, dated August 8, 1893.

Application filed April 5, 1893. Serial No. 469,217. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN J. KECK, of Allentown, in the county of Lehigh and State of Pennsylvania, have invented certain new and useful Improvements in Window-Chairs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in window chairs, and it consists in the novel manner of clamping the same in a window or other opening through which it is desired to project the chair, as will be fully described hereinafter and especially referred to in the claims.

The object of my invention is to provide an improved chair for the use of painters, carpenters, builders and other workmen, whose business it is to operate upon the outer walls of buildings, which may be very easily adjusted to the opening through which it is extended and there clamped very securely and firmly, and which is also sufficiently strong to support scaffolding when the same is required.

Referring to the accompanying drawings:—Figure 1, is a side elevation of my improved chair shown in position on a window frame, the latter being shown in section. Fig. 2, is a plan view of the plate on rear portion of the chair. Fig. 3, is an edge view of the same. Fig. 4, is an inverted plan view of Fig. 2. Fig. 5, is an end view of the clamping block. Fig. 6, is a side elevation of the same. Figs. 7 and 8, are detail views of the toothed plate which is carried by the said clamping block. Figs. 9 and 10, are similar views of the clamping bolts and nut. Fig. 11, is a longitudinal sectional view of the rear portion of the chair with the clamping block secured to the under side thereof.

α designates the bottom of the window chair or platform which is adapted to pass through a window or other opening and which at its outer end is provided with the depending brace α' , which is adapted to bear upon the outer side of the wall as shown, for the purpose of supporting the extended end of the chair. The inner end of the chair or plat-

form α is slotted longitudinally and adapted to rest upon the inner end of the plate a , which is also slotted longitudinally as at p , which slot registers with the slot of the said chair bottom. Depending from the underside of plate a , and upon opposite sides of the slot p , are the parallel racks r , which depend into the slot of the platform.

b is the clamping block which is adapted to engage the inner side of the opening through which the chair is extended, as shown in Fig. 1, and which has secured to its upper side the plate c , having near its center the parallel series of teeth which are adapted to engage the respective racks r , when the block and platform are clamped together by the bolt d , which extends upward through the said block, as shown, and through the slot p of plate a , where it receives the clamping nut e . The teeth s project upward slightly from the top surface of the plate so that when the parts are in position, as shown in Fig. 6, the said teeth will project upward into the slot of the platform α , and into engagement with the racks r , while the top surface of the said block b and plate c , will be flush with the under side of the platform, as shown in Fig. 1. By my arrangement it will be readily seen that the block may be adjusted longitudinally on the platform or chair to any desired extent and thus adapted to fit windows or other openings of various depths. When the clamping block is drawn up to the platform it is impossible for the same to move longitudinally as the engagement of the teeth s and rack r , is positive and permits of no slipping. The bolt d extending as it does through the block b , secures a most substantial hold thereon and the same cannot split and thus disengage the chair however great the weight being supported. The inner surface of the clamping block is preferably inclined as shown, so as to extend slightly under the molding which is often found upon the inner sides of window frames as shown in Fig. 1, and thereby secures a much stronger hold thereon, than though the said surface of the block were vertical. I so arrange the clamping portions of the chair that all the weight is concentrated on the window sill so that by constructing its projecting portion of strong

material objects of very great weight are readily supported.

In order to relieve the jack *x* from undue strain while carrying an extra heavy load, viz., builders' scaffolds, &c., a strip of scantling *z*, as shown in Fig. 1, may be laid on top of the window sill underneath jack *x*.

By my attachment the chair once being adjusted to a window opening need not be released or readjusted on being transferred to an opening of the same dimensions, but merely lifted in from one window and set out on the other. Owing to the necessary construction of the grip block it will be seen that the interior trim of a window does not become defaced or scratched by the application of my chair, the entire weight of which does not exceed that of the jack employed at present.

My arrangement as herein described and shown for clamping chair to windows is very cheap and simple in construction and may be very readily applied to chairs of the ordinary construction which are already in use.

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

1. An improved window chair comprising a longitudinally slotted platform, a plate on the upper side thereof having racks which depend in the slot of the platform, a clamping block, teeth on the upper side thereof which are adapted to extend upward into the slot of the platform and engage the rack of the said

plate, and a means for securing together the block and platform, substantially as shown and described. 35

2. An improved window chair comprising a longitudinally slotted platform, a correspondingly slotted plate on the upper side thereof, parallel racks on the under side of the plate which depend into the slot of the platform, a clamping block, parallel series of teeth on the upper side thereof which are adapted to engage the said racks, and a clamping bolt extending vertically through the block and the platform and plate, substantially as shown and described. 40 45

3. An improved window chair comprising a longitudinally slotted platform, a longitudinally slotted plate on the upper side thereof, parallel racks extending from the plate into the slot of the platform, a clamping block, a plate secured to the upper side thereof, parallel and transverse series of teeth *s*, upon the upper side of the plate, a clamping bolt which is adapted to extend vertically through the said block and through the slotted platform and plate, and a nut for the upper end of the bolt, substantially as shown and described. 50 55

In testimony whereof I affix my signature in presence of two witnesses. 60

FRANKLIN J. KECK.

Witnesses:

EDWARD RUHE,
REUBEN J. BUTS.