

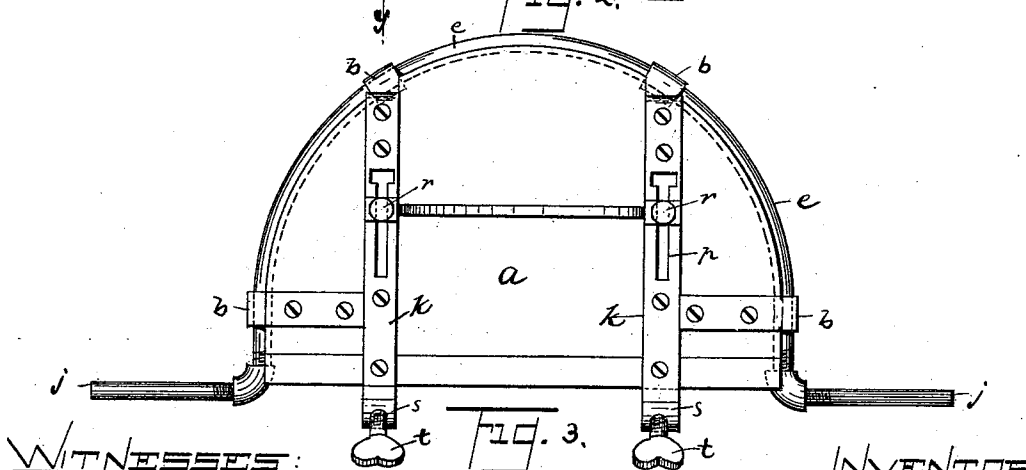
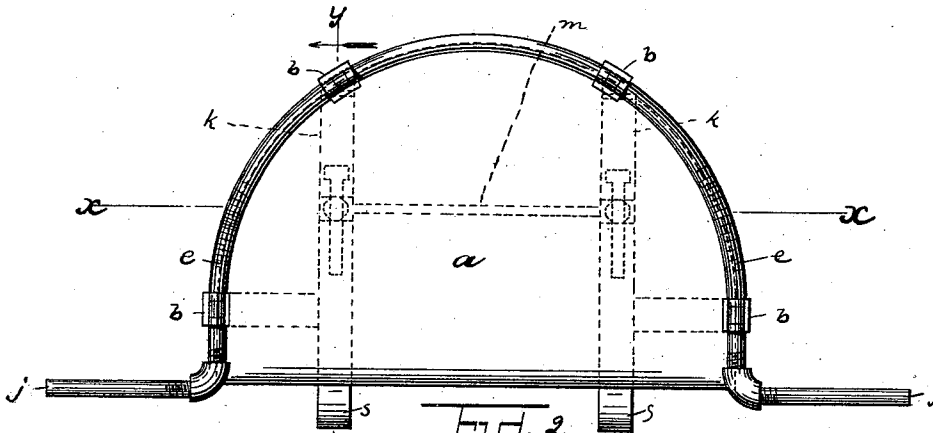
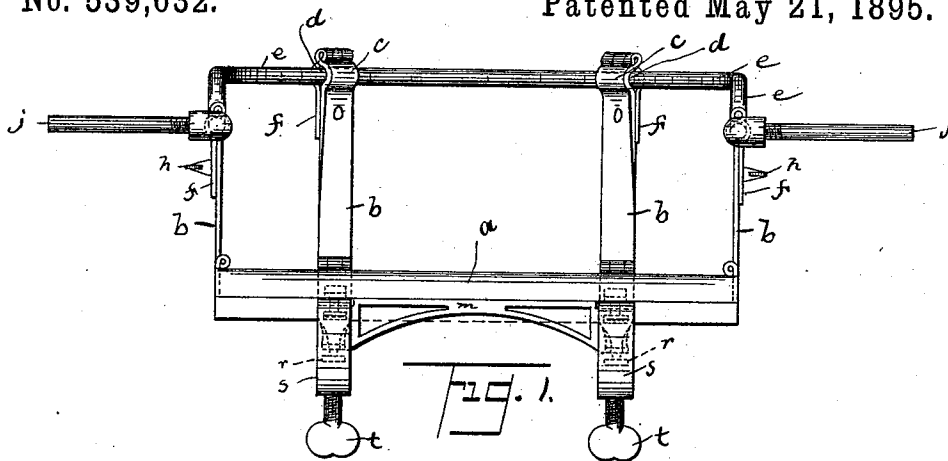
(No Model.)

3 Sheets—Sheet 1.

A. MÜLLER.
CHAIR SUPPORT FOR CLEANING WINDOWS.

No. 539,632.

Patented May 21, 1895.



WITNESSES:

T. H. Wilson
Gregor Walzel

INVENTOR

ANTON MÜLLER
by Oscar A. Michel & Co
ATTYS.

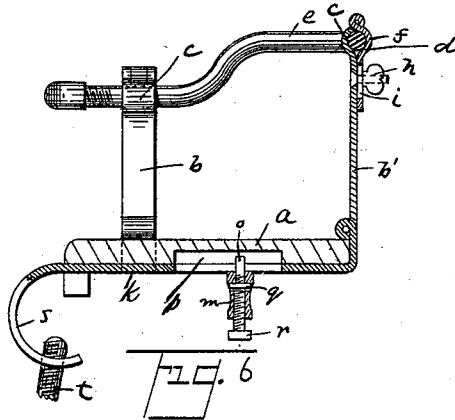
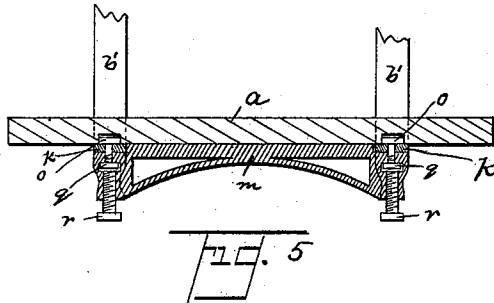
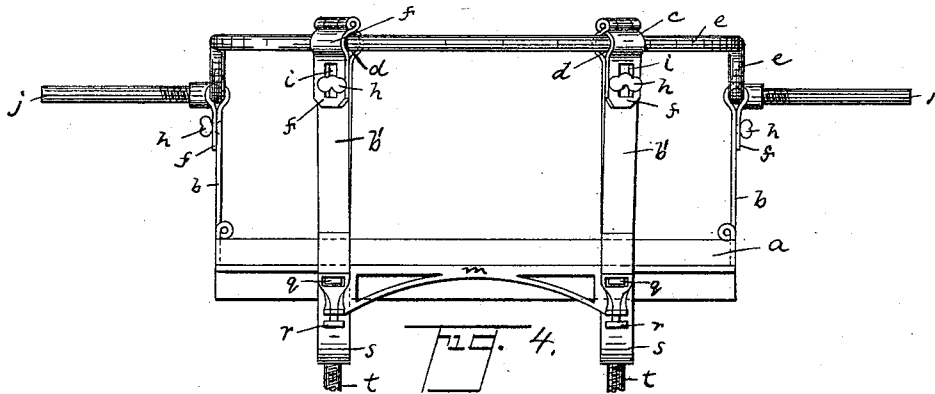
(No Model.)

3 Sheets—Sheet 2.

A. MÜLLER.
CHAIR SUPPORT FOR CLEANING WINDOWS.

No. 539,632.

Patented May 21, 1895.



WITNESSES:

A. H. W. ilax
Gregor Wafel

INVENTOR:

ANTON MÜLLER,
by Oscar A. Michel & Co. ATTYS.

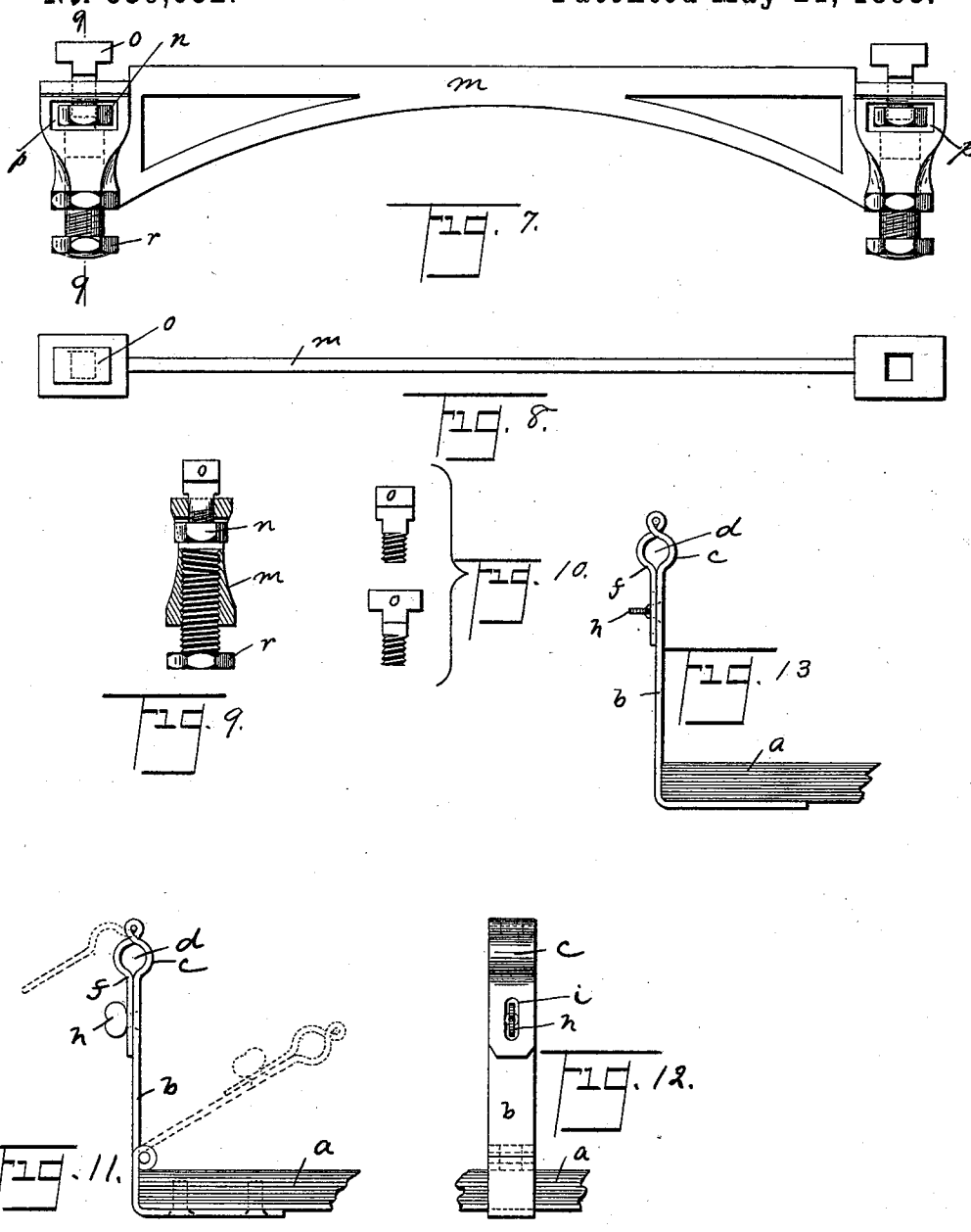
(No Model.)

3 Sheets—Sheet 3.

A. MÜLLER.
CHAIR SUPPORT FOR CLEANING WINDOWS.

No. 539,632.

Patented May 21, 1895.



WITNESSES

T. H. W. H. Cox
Gregor Nagel

INVENTOR

ANTON MÜLLER
by Oscar A. Michel & Co
ATTYS.

UNITED STATES PATENT OFFICE.

ANTON MÜLLER, OF ROSEBANK, NEW YORK.

CHAIR-SUPPORT FOR CLEANING WINDOWS.

SPECIFICATION forming part of Letters Patent No. 539,632, dated May 21, 1895.

Application filed December 26, 1894. Serial No. 532,966. (No model.)

To all whom it may concern:

Be it known that I, ANTON MÜLLER, a citizen of the United States, residing at Rosebank, in the county of Richmond and State of New York, have invented certain new and useful Improvements in Chair-Supports for Cleaning Windows; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to a new and useful improvement in chair supports for cleaning windows, and has for its object greater simplicity, cheapness, and durability, as well as to increase the safety of the party cleaning the windows and to allow said party to use both hands while cleaning.

With these ends in view my invention consists of the peculiar features and combination of parts more fully described hereinafter, and pointed out in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures where they occur, Figure 1 is a front elevation of my improved chair. Fig. 2 is a top plan view of the same. Fig. 3 is a plan view of the under side of Fig. 1. Fig. 4 is a rear elevation of Fig. 1. Fig. 5 is a section on the line *xx* of Fig. 2. Fig. 6 is a section on the line *yy* of Fig. 2. Figs. 7, 8, 9, 10, 11, 12, and 13 are detail views showing the different working parts enlarged in detail.

In said drawings, *a* represents the chair having side and rear uprights *b* and *b'* secured to the seat and having at their upper ends *c* circular openings *d* for holding the arm rail *e* when in use. On these side and rear uprights *b* and *b'* are hinged wings *f* having circular openings to correspond to the circular openings *d* in the said uprights. Said uprights *b* and *b'* are provided with turn bolts *h* the hinged wings *f* being provided with slots *i* for passing over said turn bolts *h* thereby securely fastening said arm-rail to the uprights. At both ends of said arm rail *e* is secured a pipe or rail *j* to serve for holding the chair in

the window, by the said pipe or rail extending beyond the window casing as will be evident upon referring to the drawings. Plates *k* are secured to the under side and extending from the rear to the front so as to serve as a slide for holding the bridge *m* having the screw *n* in the upper end, said screw having an elongated head *o* for inserting in the opening *p* on the plate and corresponding hole in the bottom of the seat. Said bridge is held firmly in place by screwing the nut *q* on said screw, thereby drawing the screw up against the under side of the plate as fully shown in Figs. 5 and 6. On the bottom of this bridge is another screw *r* for raising the rear end of the seat at any desired height required. The forward ends *s* of these plates *k* are turned over so as to hold on the molding of the window sill and each being provided with a thumb screw *t* for securing the forward end of the chair and the arm rail or pipe *j* holding against the window sill will tend to hold the chair in a firm position as readily seen upon reference to the drawings.

In my preferred construction I intend to hinge the uprights, and make the arm rail detachable from the uprights to increase the facilities for shipping purposes.

In Fig. 13 is shown the uprights stationary, thereby showing that my invention can be used in either way without departing from the spirit of my invention.

The operation of my device is apparent. The arm rail *e* is secured in the circular openings *d* of the side and rear uprights *b* and *b'* and the end pipe or arm rail *j* is secured to the ends of the arm rail, and the bridge *m* is secured underneath the seat and as it may be required to raise the rear end of the seat so as to give the chair a better position for the cleaner. By using common round rod and the ordinary pipe couplings my device can be constructed with great facility and durability and at a small cost.

I do not wish to be understood as limiting myself to the exact construction shown as various changes may be made without departing from the spirit of my invention.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a chair for cleaning windows, the com-

5 bination of the seat, an arm rail, uprights secured to said seat, and extending below said seat, plates secured to the under side of and extending from the front to the rear of said seat, said plates having slots, and a bridge secured by means of screw *n* and nut *q*, to said slots to hold said bridge in any desired position, substantially as and for the purposes set forth.

10 2. In a chair for cleaning windows, the combination of the arm rail, a pipe or rod fastened to said arm rail, and extending beyond said chair, uprights secured to the side and rear of said chair, plates secured on the under side of and extending from the front to the rear of said chair, said plates having slots, a bridge secured to said slots and a set screw secured to the bottom of said bridge to allow raising or lowering said chair, said arm rail

secured to said uprights, substantially as set forth. 20

3. In a chair for cleaning windows, the combination of the arm rail, hinged uprights secured to the side and rear of said chair, a bridge secured to the under side of said chair, 25 said arm rail secured to said uprights, a thumb screw fastened to said uprights to allow the upper hinged portion of said uprights to be raised and allow said arm rail to be removed or inserted, substantially as set forth. 30

In testimony that I claim the invention set forth above I have hereunto set my hand this 15th day of December, 1894.

ANTON MÜLLER.

Witnesses:

AUGUST GROSS,
OSCAR A. MICHEL.