(No Model.)

F. C. VON HEYDEBRAND U. D. LASA.

WINDOW.

No. 555,162. Patented Feb. 25, 1896.

Fig. 2

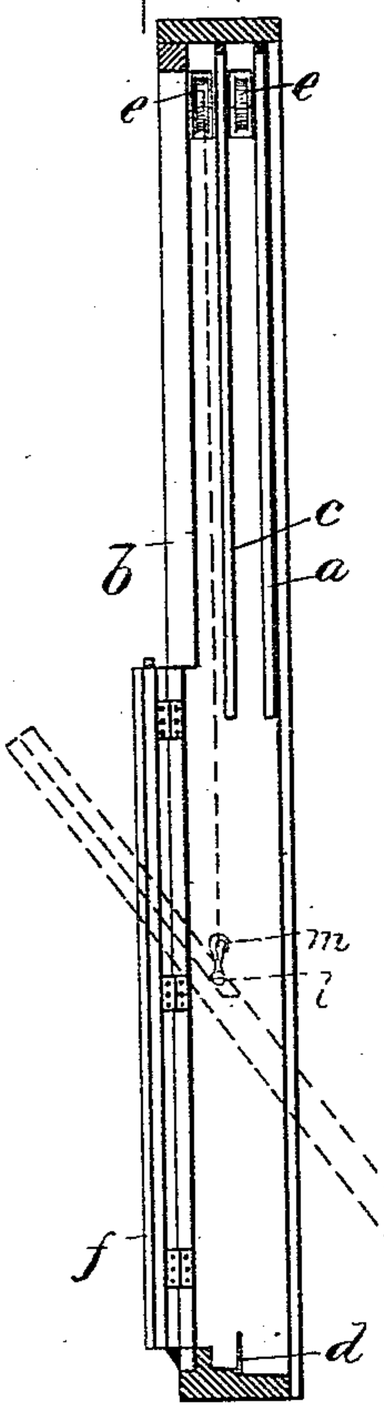


Fig. 1

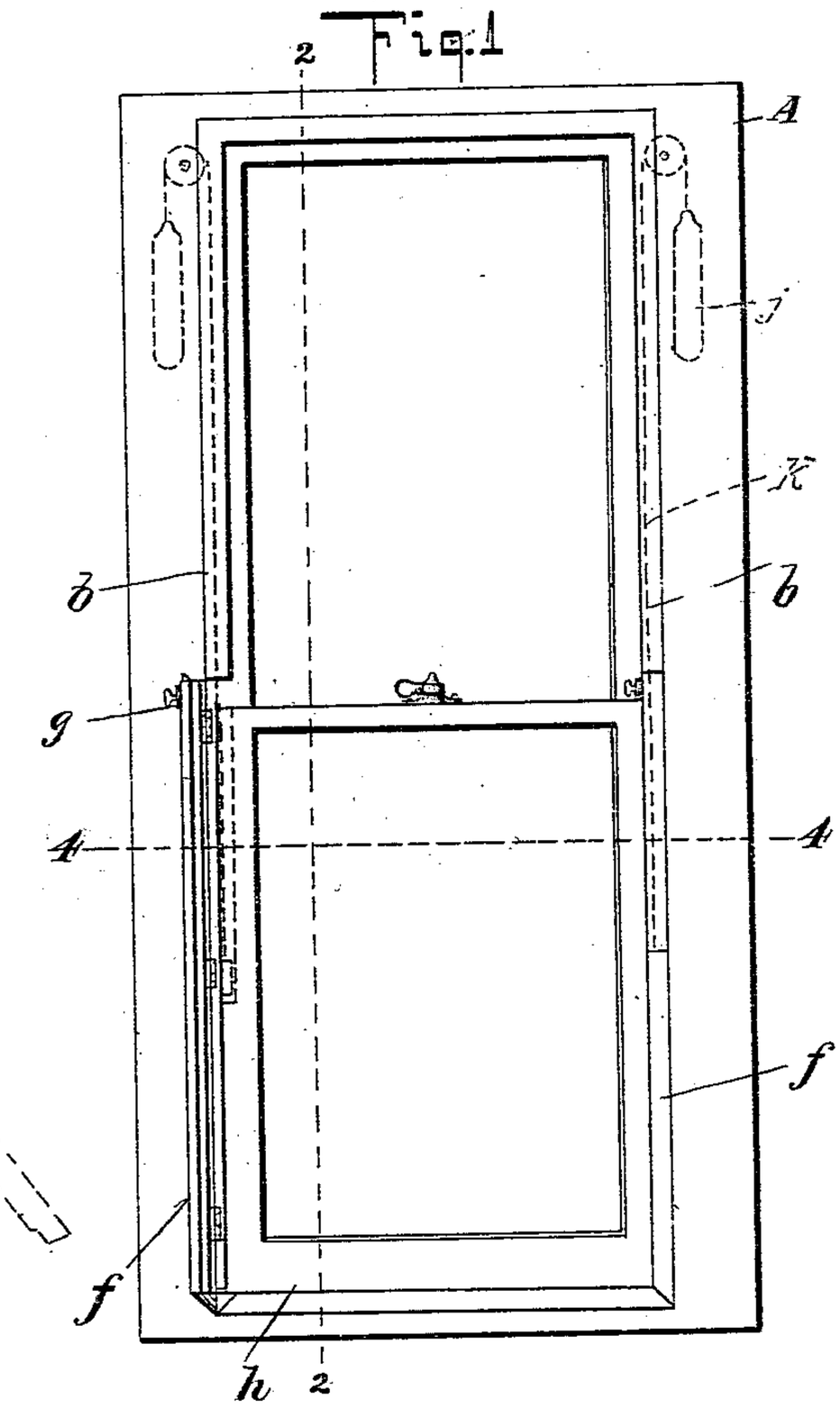


Fig. 3

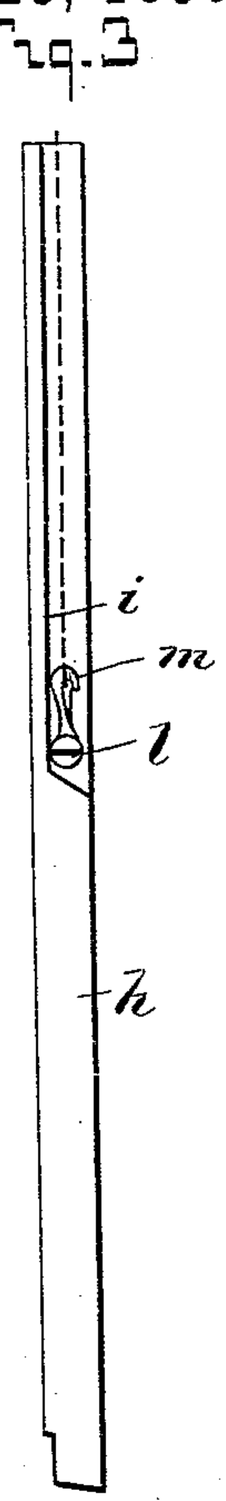
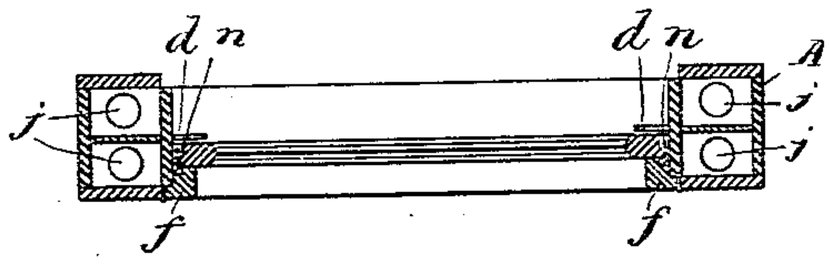


Fig. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

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WINDOW.

SPECIFICATION forming part of Letters Patent No. 555,162, dated February 25, 1896.

Application filed October 28, 1895. Serial No. 567,084. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND-CHRISTOPH VON HEYDEBRAND UND DER LASA, a subject of the Emperor of Germany, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Windows, of which the following is a full description.

My invention relates to windows, and has for its object to produce a sliding and swinging window and means for holding the sash from swinging when desired.

To this end my invention consists in the special matters hereinafter set forth and claimed.

My invention will be understood by reference to the accompanying drawings, in which—

Figure 1 is a front or face view of a window constructed in accordance with my invention, showing one of the movable beads as swung away from the sash. Fig. 2 is a section thereof on line 2 2 of Fig. 1. Fig. 3 is an enlarged side view of the lower sash; and Fig. 4 is a section on line 4 4 of Fig. 1.

In the drawings, A is an ordinary box-window frame or casing having the usual cavities for the sash-weights. This frame is provided with a bead *a*, extending about half-way down from the top of the frame or casing, and a bead *b* on the opposite side of the frame, extending down about the same distance. Intermediate of the beads *a* and *b* is a parting-bead *c*, which extends down about the same distance as *a*. The lower part of the frame or casing is provided with a parting-plate *d*. The usual rollers *e e* are mounted in the frame or casing. Hinged to the side of the casing are movable beads *f*, which are step-shaped, as shown, and are adapted to be swung into the positions shown in Figs. 1, 2, and 4. These beads are provided with catches *g*, which engage with the upper sections *b* of the beads, which upper sections are likewise step-shaped and similar in form to the lower sections. Working in the beads *b* and *f*, and held in place by the parting-bead *c*, is a sash *h*, which is longitudinally recessed, as at *i*, and is hung by means of the usual sash-weights *j* and cords *k* upon pivots *l*, a swivel-hook *m* serving to connect the sash-cords with the pivots, so that the sash-cords may be readily disengaged from the sash by opening the swivel-hooks and releasing the cord therefrom. The sash is also provided at its edges with an entering bead *n*. (Seen clearly in Fig. 4.) This entering bead co-operates with one of the steps of the beads *b* and *f* to guide the sash in its movement. Normally the movable beads are swung into place and retained by their catches, but when it is desired to clean the window-sashes the beads are swung backward and the sash brought down and swung and lifted out of the window-casing, as shown in Fig. 2. The cords may now be disengaged from the swivel-hooks and the sash removed into the building and thoroughly cleaned. After the sash has been cleaned it may be replaced by engaging the swivel-hooks with the cords and setting the sash in position and swinging the movable beads *f* into position. The upper sash, which may be of the ordinary construction, may also be removed in a similar manner.

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

A new and useful article of manufacture, to wit: a window, comprising a window-casing, having a bead as *c*, step-shaped beads *b* and *f* receiving the corner of the casing, the latter being a swinging bead, and a pivoted sash provided with an entering bead *n* which enters a step-shaped portion of the beads *b* and *f* to guide the sash with sash-cords and a swivel-hook engaging the sash-pivot and removably connected with the sash-cord.

FERDINAND-CHRISTOPH VON HEYDEBRAND U. D. LASA.

Witnesses:
GEO. E. MORSE,
HARRY M. TURK.