

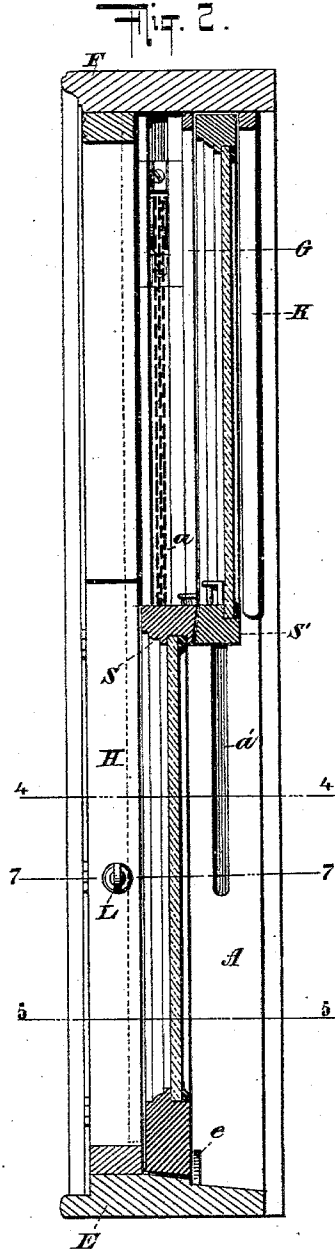
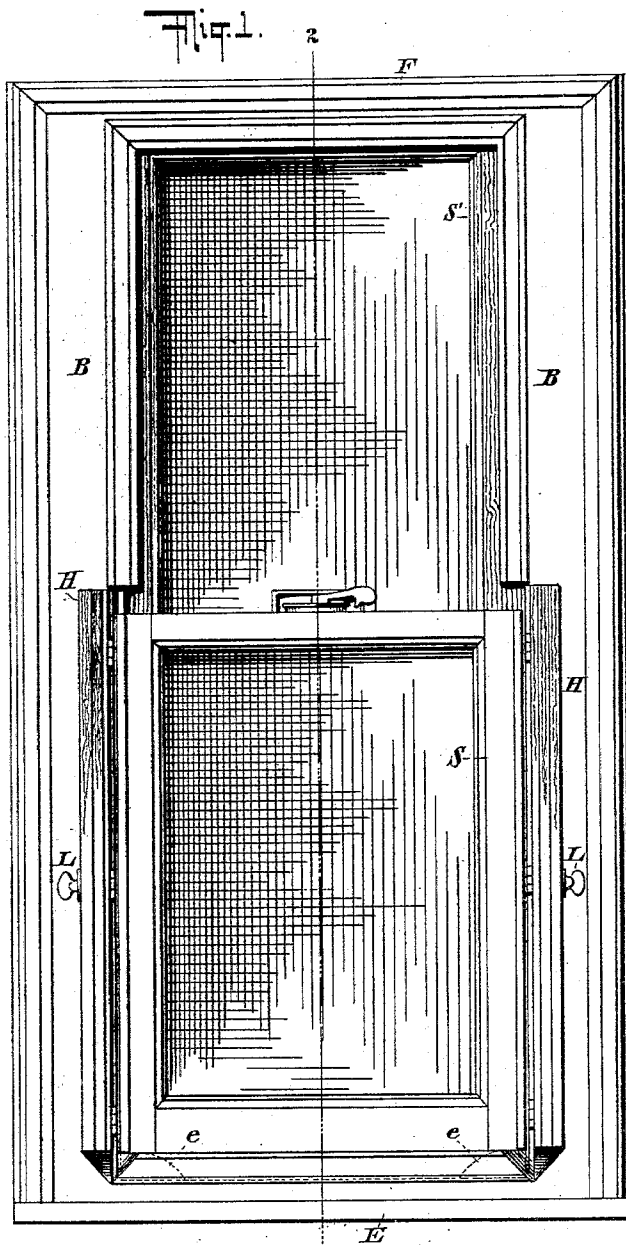
(No Model.)

2 Sheets—Sheet 1.

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

No. 563,765.

Patented July 14, 1896.



WITNESSES:

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INVENTOR

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ATTORNEYS.

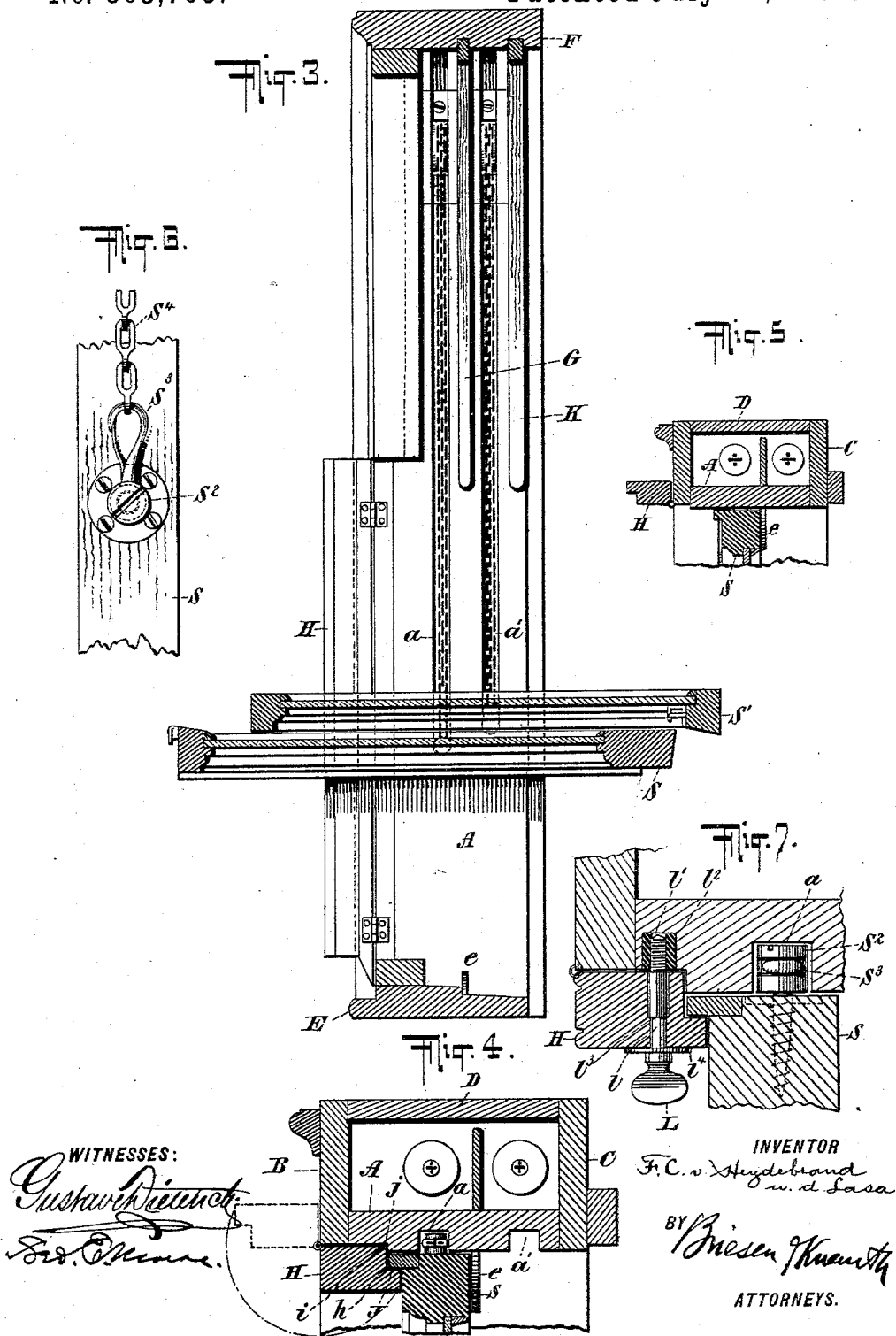
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WINDOW.

No. 563,765.

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UNITED STATES PATENT OFFICE.

FERDINAND-CHRISTOPH VON HEYDEBRAND, UND DER LASA, OF NEW YORK,
N. Y., ASSIGNOR TO THE HEYDEBRAND SAFETY WINDOW COMPANY, OF
SAME PLACE.

WINDOW.

SPECIFICATION forming part of Letters Patent No. 563,765, dated July 14, 1896.

Application filed March 4, 1896. Serial No. 581,736. (No model.)

To all whom it may concern:

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

My invention relates to the class of sliding and revolving windows wherein the sashes may be slid up and down and revolved about their centers when in certain positions.

To this end my invention consists in the new and improved window hereinafter set forth and claimed.

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

Figure 1 is a face view of a window embodying my invention, showing the inside blind-stile swung away from its seat. Fig. 2 is a section thereof on line 2 2 of Fig. 1, the blind-stile being closed to its seat and the sashes in a vertical position. Fig. 3 is a section on the same line, showing the pivoted blind-stile swung back and the sashes in a horizontal position. Fig. 4 is a section on line 4 4 of Fig. 2. Fig. 5 is a section on line 5 5 of Fig. 2. Fig. 6 is a detail of the pivot and its swivel-hook suspension. Fig. 7 is an enlarged fragmentary section on line 7 7 of Fig. 2.

In the drawings the window-frame is shown as comprising pulley-stiles A, (see Fig. 4,) an inside trim B, and outside trim C, which are joined vertically by a trim D and horizontally (see Fig. 3) by a stepped sill E and jamb F. The pulley-stiles are provided with grooves *a a'* for the reception and travel of the sash-pivots and sash-cord. These grooves terminate in bearings for the sash-pivots, and are of such a length as to permit the sash-pivots to be seated in the bearings and the sashes freely revolved, one of the said grooves extending lower than the other for this purpose. This will clearly appear from Fig. 3 of the drawings. The grooves also permit the lower sash to rest firmly upon the sill.

G K are parting-beads, which extend down to about half the height of the pulley-stiles and form the guiding means for the sashes S S' in their up and down travel, the space below their ends being perfectly free and unobstructed to permit free revolution of the

sashes. Seated in the sill and in line with one of the parting-beads is an antirattler *e*, 55 which steadies the sashes when they are down. These sashes are, as aforesaid, provided with pivots S², which enter the grooves in the pulley-stile and constitute with the swivel-hook S³ and sash-cord S⁴ the means for 60 sustaining the sash. Pivoted along the edge of the vertical trims B is a blind-stile H, whose face is rabbeted at *h* and whose corner *i* enters a rabbet *j*, formed in the pulley-stile adjoining the sash-pivot groove *a*, the rabbeted portion thereof receiving a batten J, 65 which is sunk into and secured along each edge of the sash S and projects therefrom into the rabbet *h* of the blind-stile H. By this means an efficient air seal or weather- 70 lock is formed, it being remembered that the outside parting-beads are dispensed with. These blind-stiles are secured in place by catches L, whose stems *l* extend through the blind-stiles and are screw-threaded, as at *l'*, to 75 enter and engage in a tapped collar *l''*, the stem being shouldered at *l'''* to prevent it from passing through the escutcheon *l''''*.

It will be quite obvious that this window may be turned around and that which I have 80 shown as outside made the inside without in any way departing from my invention.

For the purpose of convenience I have hereinafter in the claim referred to outside and inside without intending to necessarily 85 restrict myself to the limited meaning of those terms.

With this explanation, what I claim, and desire to secure by Letters Patent, is—

A window comprising grooved pulley-stiles 90 having parting-beads substantially as shown and described, revolving sashes having pivots entering the grooves, the said pulley-stiles being rabbeted at *j*, swinging and blind stiles H rabbeted at *h* and having corners *i*, the 95 said corners *i* entering the rabbets *j* of the pulley-stiles and battens J secured to the edges of the sash and projecting therefrom and entering the rabbets *h*, substantially as shown and described and for the purposes set 100 forth.

FERDINAND-CHRISTOPH

VON HEYDEBRAND, U. D. LASA.

Witnesses:

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