(No Model.) 2 Sheets—Sheet 1.

F. C. von HEYDEBRAND u. d. LASA.

WINDOW.

No. 534,438. Patented Feb. 19, 1895.

Fig. 1.

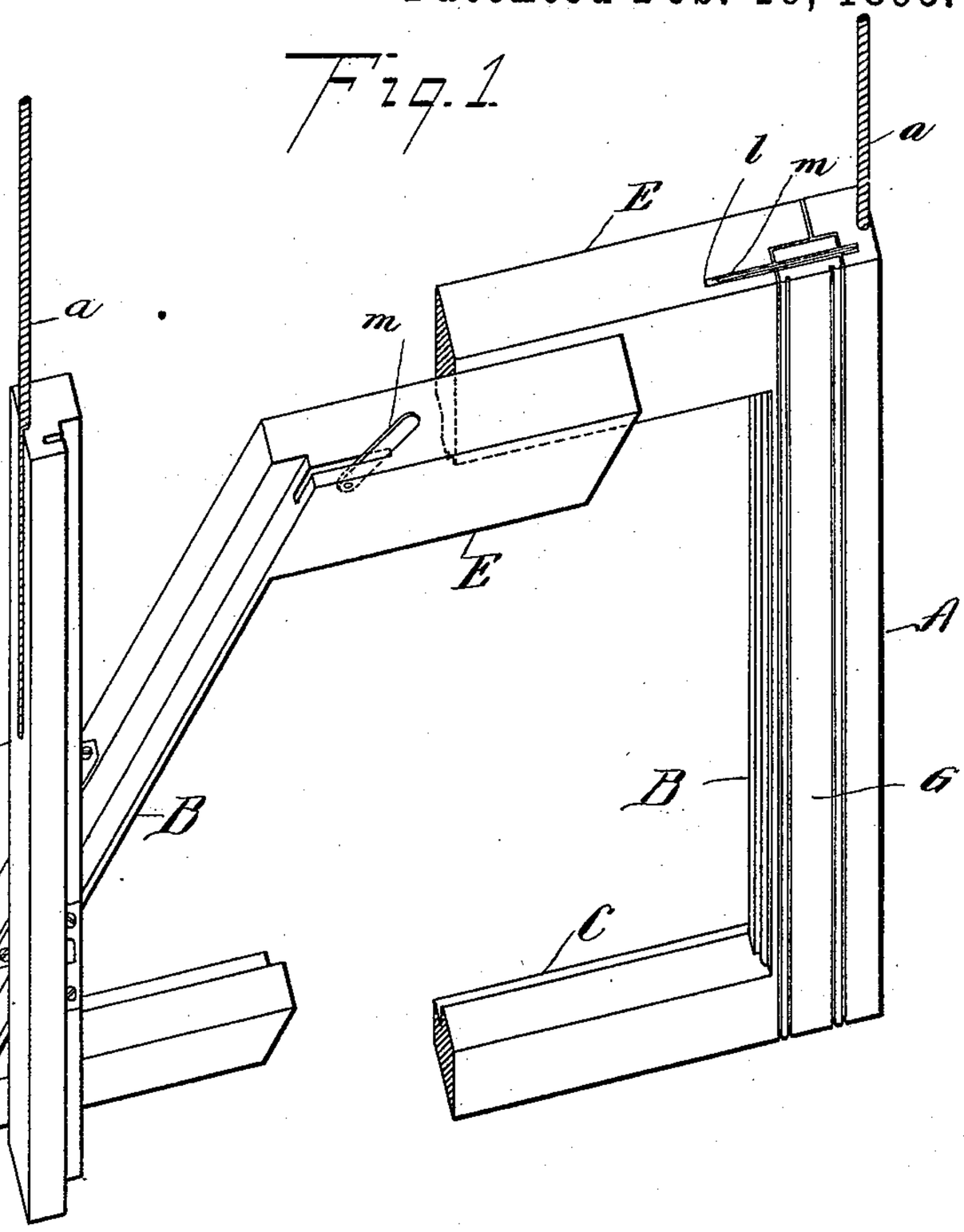


Fig. 3.

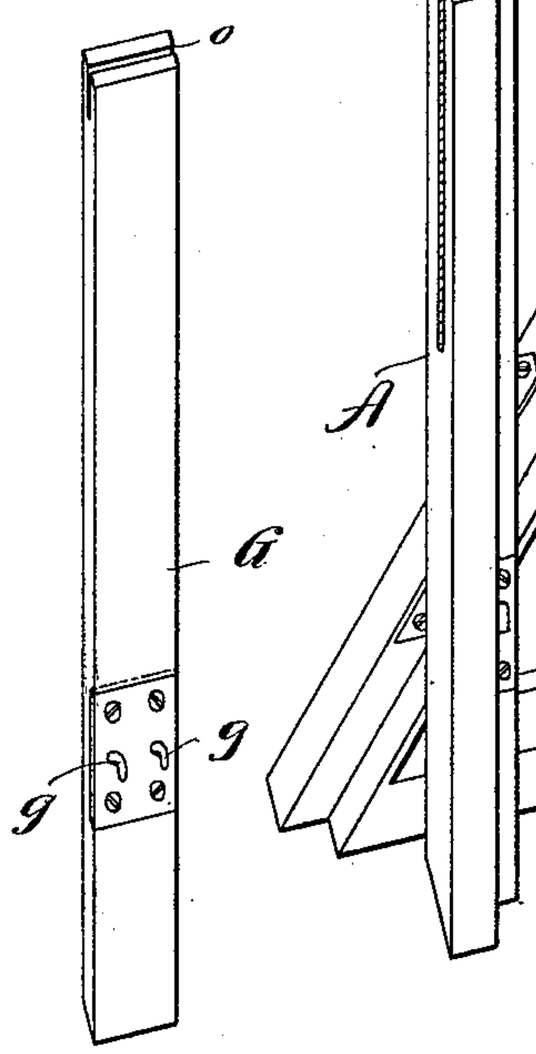
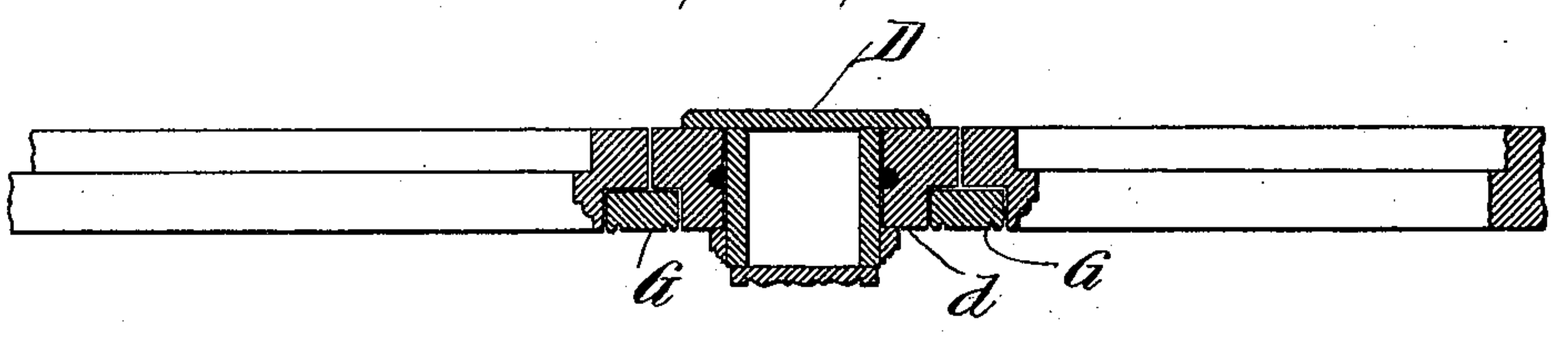


Fig. 2.



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his ATTORNEYS.

(No Model.) 2 Sheets—Sheet 2.

F. C. von HEYDEBRAND u. d. LASA.

WINDOW.

No. 534,438. Patented Feb. 19, 1895.

Fig. 4.

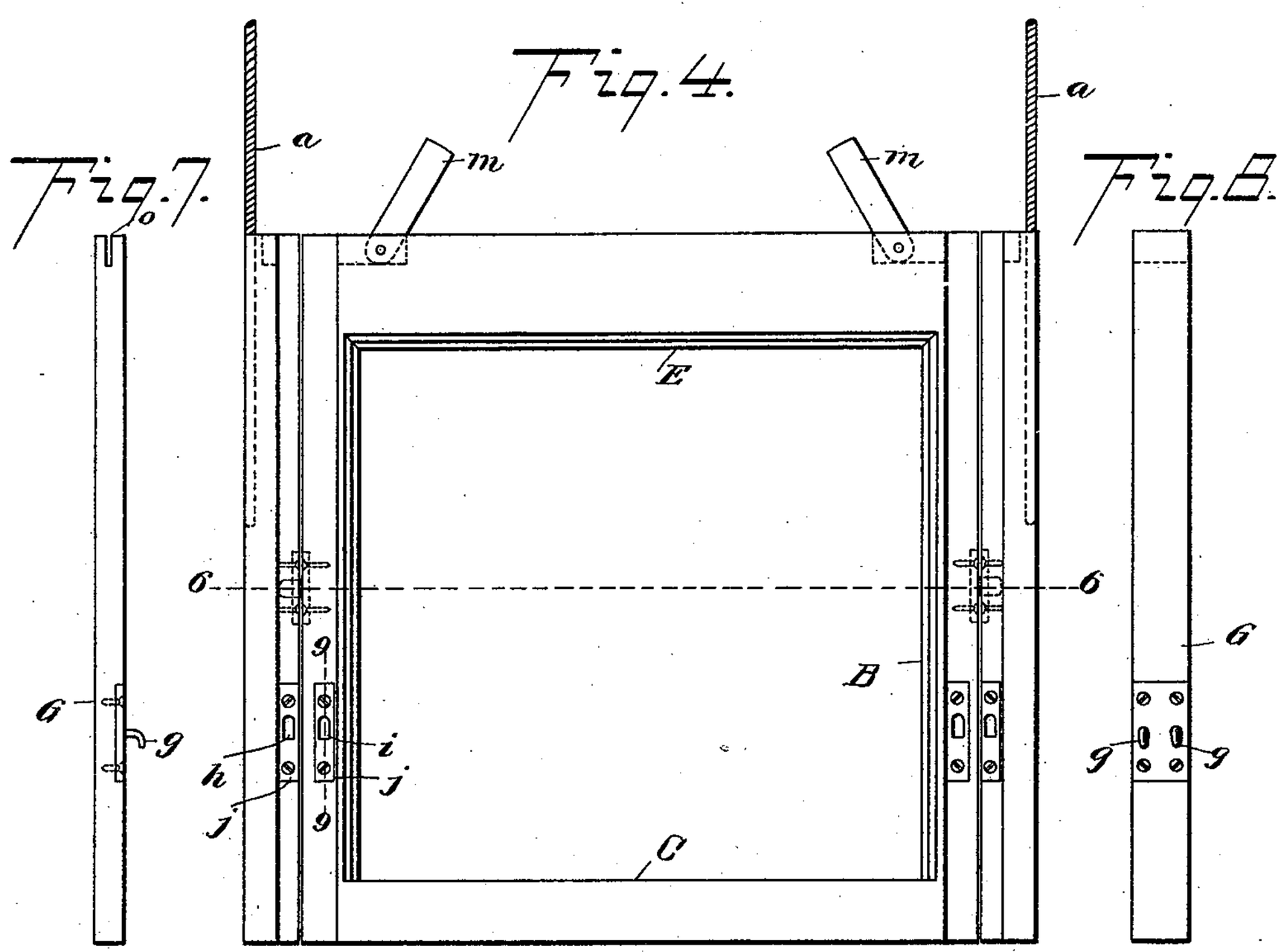


Fig. 7.

Fig. 8.

Fig. 5.

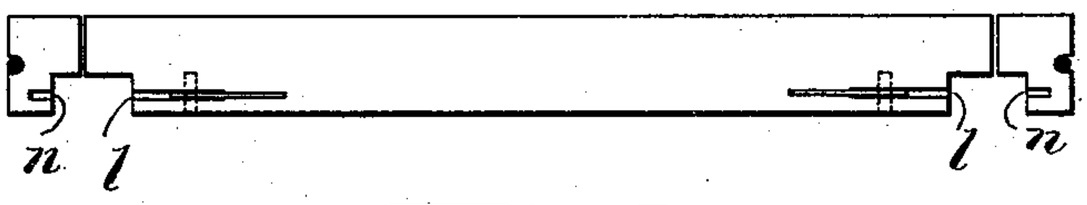


Fig. 6.

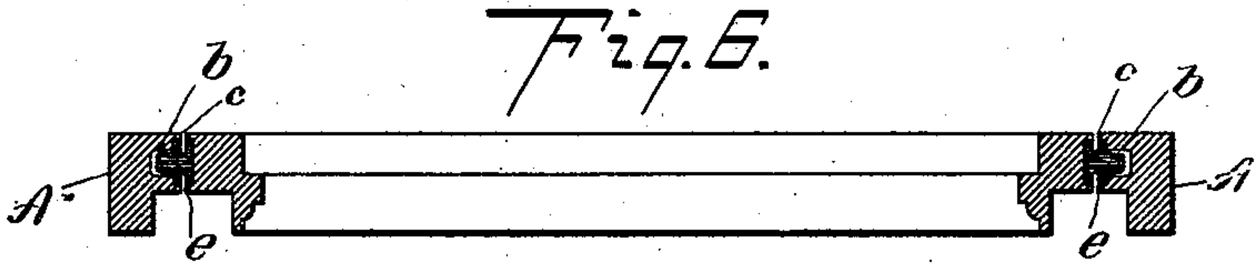
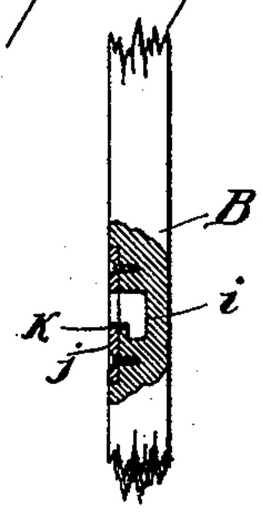


Fig. 9.



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UNITED STATES PATENT OFFICE.

FERDINAND-CHRISTOPH VON HÈYDEBRAND UND DER LASA, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO GEORGE SEMLER, OF SAME PLACE.

WINDOW.

SPECIFICATION forming part of Letters Patent No. 534,438, dated February 19, 1895.

Application filed November 28, 1894. Serial No. 530,267. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND-CHRISTOPH VON HÈYDEBRAND 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 windows, and has for its object to produce a sliding and swinging window-sash which may be slid in the window casing and which may be swung so as to permit cleaning thereof from the inside of the building.

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

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

Figure 1 is a broken away perspective view of a window-sash embodying my invention showing parts thereof in two different positions. Fig. 2 is a sectional plan view of a window casing with two sashes constructed according to my invention working therein, the said view being designed to show one method of mounting the sashes in the casing. Fig. 3 is a detached detail view of one of the movable beads or battens hereinafter referred to. Fig. 4 is a face view of a sash made in accordance with my invention, the beads or battens being removed for the purposes of clearer illustration. Fig. 5 is a top view of the sash shown in Fig. 4. Fig. 6 is a section on line 6—6 of Fig. 4. Fig. 7 is a side view of one of the movable beads. Fig. 8 is a face view thereof; and Fig. 9 is a section on line 9—9 of Fig. 4.

In the drawings, A A are the side battens of the sash and are suspended by the usual sash cords *a a*. Each of these side battens A A is provided with a hole *b* for the reception of the sash-pivots, which holes may be bordered by escutcheons *c* which act as wear-plates. The battens A A slide in grooves *d* in the casing D, but may be otherwise mounted.

The sash proper consists of the side-rails B B, the top-rail E, and the bottom-rail C. Projecting from the side-rails B B are pivots *e e* which are entered into the holes *b b* in the side battens A. The sash swings upon these pivots but is normally held from swinging by the latches hereinafter described, and beads G G which lap over the joint between the side-rails B B and the battens A A, and serve also as a weather-strip to keep out the wind. These beads are each provided with hooks *g g* which enter recesses *h i* in the battens and side-rails respectively, and impinging against the lip *k* thereof, are thus held in place. The recesses *h i* may be covered with escutcheons *j j* which serve to brace the lip or edge *k* of the recesses. The lip *k* may, however, be omitted and the hooks *g g* impinged directly against the rear face of the escutcheons *j j*. Carried in slots or recesses *l l* in the top-rail of the sash or otherwise suitably mounted are latches, shown in the present instance as pivoted latches *m m* which co-operate with slots *n n* and *o o* in the battens and beads respectively to securely hold the sash and battens and beads rigidly together; that is to say, to hold the sash from swinging on its pivots.

The manner of using my device is as follows: Supposing the parts to be in the position shown to the right in Fig. 1, that is to say, with the sash in a vertical position, and it is desired to swing the same for the purpose of ventilation or cleaning the sash; the latches *m m* are first swung up out of the recesses, as shown in Fig. 4, and the movable beads G G are lifted out of position, thus leaving the sash free to swing on its pivots.

It will thus be evident that I have produced a simple yet reliable construction of swinging and sliding window.

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

The combination of side battens, each provided with recesses for a sash pivot and for the reception of a hook upon a removable bead, of a sash provided with pivots for entering the recesses in the side battens and apertures for receiving a hook upon a removable bead, removable beads having hooks for entering the recesses in the sash and battens, and latches engaged with the beads, sash and battens for securing the same rigidly together, substantially as described.

FERDINAND-CHRISTOPH VON HÈYDEBRAND UND DER LASA.

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