(No Model.)

A. MATUSKA.

WINDOW.

No. 298,699. Patented May 13, 1884.

Fig. 1.

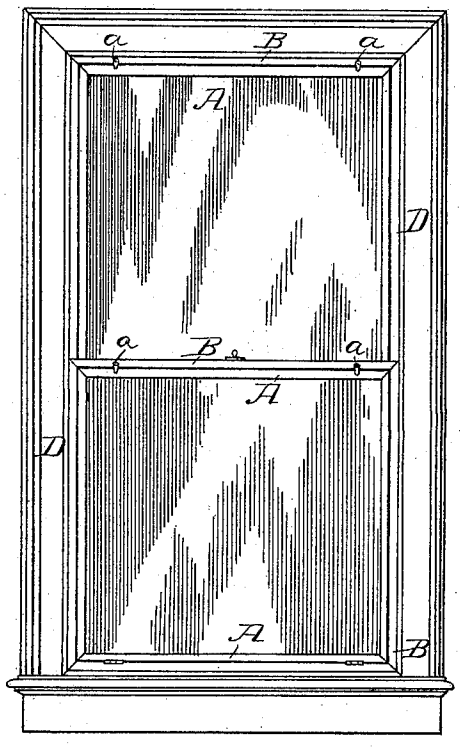
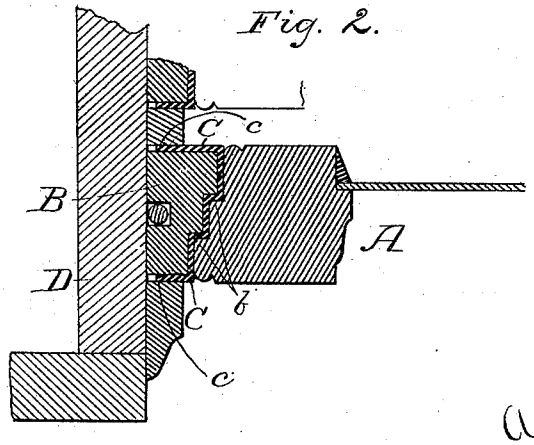


Fig. 2.



WITNESSES:

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ANTON MATUSKA, OF CHICAGO, ILLINOIS.

WINDOW.

SPECIFICATION forming part of Letters Patent No. 298,699, dated May 13, 1884.

Application filed October 20, 1883. (No model.)

To all whom it may concern:

Be it known that I, ANTON MATUSKA, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Window-Frames; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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.

The object of my invention is to strengthen the outer frame of swinging windows and to prevent the passage of drafts of air through them. This I accomplish by covering the exposed parts of the said outer frame with sheet metal, and the rabbeting of the contiguous surfaces of the said outer frame and the window-sash.

In the drawings, Figure 1 is a plan view of my invention, showing the manner of its application; and Fig. 2 is a transverse horizontal section through my hinged window-sash and the outer frame.

Reference being had to the drawings, A represents a window-sash, fitting snugly within and hinged to the lower, upper, or vertical sides of the frame B in such manner that it can be swung inward into the room and the window conveniently washed. Said sash A is held in position within the frame B, when shut, by the catches *a a*, which latter may be of any desired character or design, as no invention is claimed as to them separately.

In the contiguous bearing-surfaces of the sash A and frame B are made one, two, or more rabbets, *b*, &c., respectively, those in the frame B corresponding in dimensions, and being the inverse of the rabbets *b b* in the sash A. This construction of the jamb of the swinging window-sash is adopted because of the better protection it affords against the inclemency of the weather, and because it prevents the said window from swinging outwardly, which it is desirable to avoid.

In order to strengthen and render more durable the frame B, I cover the exposed and rabbeted parts thereof contiguous to and bearing against the inner sash with a sheet-metal covering, C, of a uniform thickness, which conforms to the shape of said frame. This metal covering C is made in one or more pieces, as desired, and the ends *c c* thereof come to within an eighth or quarter of an inch of the outer edges of the outer frame, B, leaving sufficient exposed to render the fitting of said frame B in the window-frame D possible.

My improved window is in every other respect, except as above described, similar to those now in use, and may be counterbalanced by weights and fastened by the common fastener, when down, in a manner as is usual and common.

The principal feature of my invention is the swinging window-sash within an outside frame, to which, as shown in the drawings, it is hinged to the lower horizontal side thereof; but it is obvious that the window-sash may be hinged either at the top, bottom, or sides without departing from the spirit of my invention.

Another and very important feature of my invention is the rabbeting of the contiguous and bearing surfaces of the sash A and frame B, thus preventing the rain or wind from entering; and yet another feature is the covering of the wooden outer frame with sheet metal, thus rendering the outer frame more durable and strong. Relative to this last-mentioned feature, I would say that as the upper horizontal frame of the window-sash and outer frame of the lower window is immediately back of that of the upper window, if desired the contiguous bearing-surfaces of the sash and outer frame need not, if so desired, be rabbeted.

When in use, my invention is applied to both the upper and lower sash of the window, and when the lower one is washed the upper one is pushed down, and said lower and inner sash pushed up out of the way while said upper sash and window is being washed.

What I claim as new is—

1. In a window, as described, the outer frame having its inner edges provided with a series of inverse rabbets, which latter, together with the sides thereof, are covered with a sheet-metal casing, in combination with the inner

window-sash, the outer surfaces of which are provided with a corresponding series of rabbets, substantially as set forth.

2. A sliding window-frame, the sides and inner surfaces thereof which are contiguous to an inner frame being provided with a sheet-metal covering coming short of the outer edges of said sliding frame, so as to permit the fitting of the same in position.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

ANTON MATUSKA.

Witnesses:
S. S. SCHOFF,
FRANK D. THOMASON.