No. 799,123. PATENTED SEPT. 12, 1905.

A. WEISER.

WINDOW FRAME.

APPLICATION FILED JUNE 14, 1905.

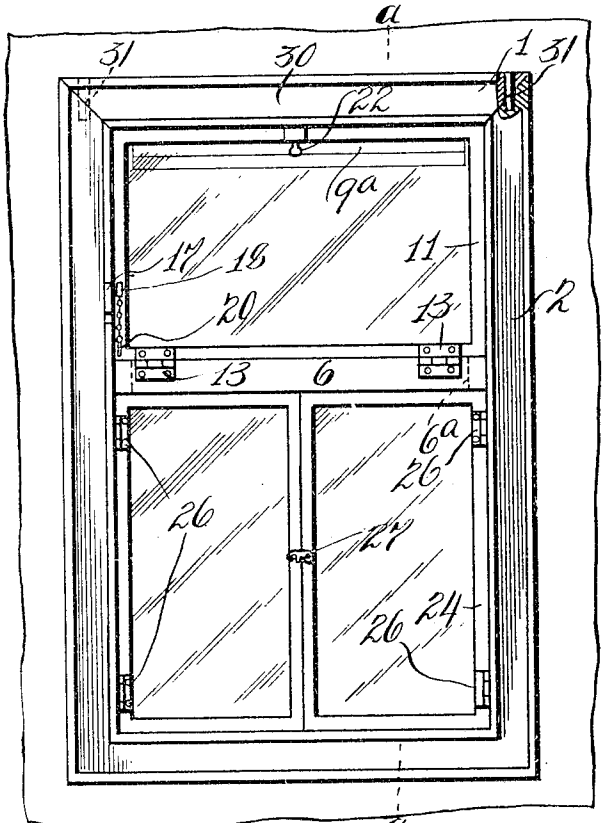


Fig. 1.

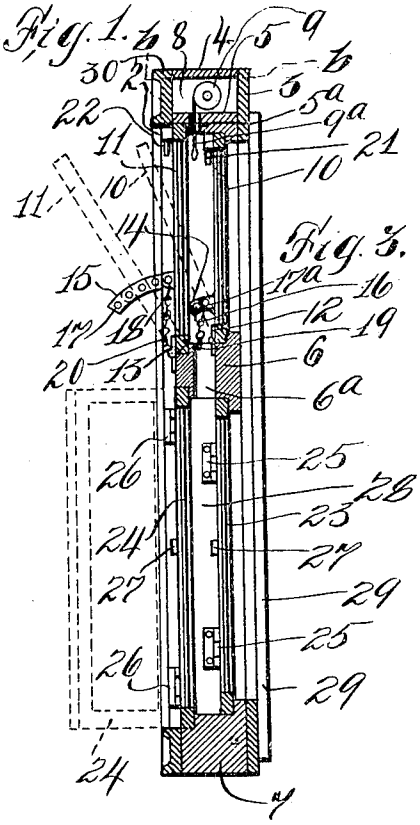


Fig. 3.

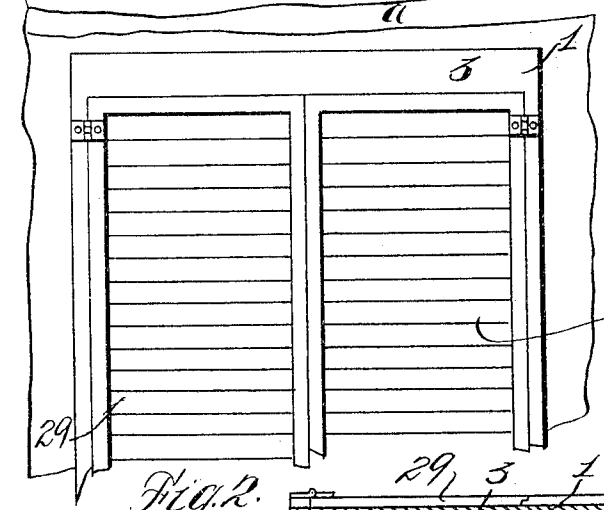


Fig. 2.

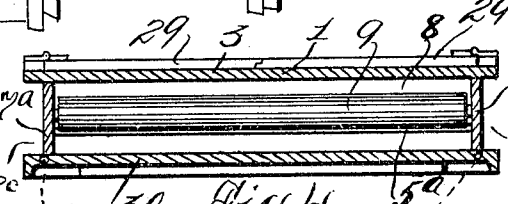


Fig. 4.

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WINDOW-FRAME.

No. 799,123. Specification of Letters Patent. Patented Sept. 12, 1905.

Application filed June 14, 1905. Serial No. 265,127.

To all whom it may concern:

Be it known that I, ANTON WEISER, a resident of New York city, borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Window-Frames, of which the following is a specification.

This invention relates to an improved form of window-casing and sashes therein, and has for its object to provide a window-casing to which are fitted swinging sashes. By this means an ordinary source of annoyance is obviated, which exists in the sliding form of window—namely, that of sticking in damp weather. My improvement also acts to retain warmth within a room in cold weather, as I provide a double set of sashes and panes, there being a space between each set of windows which acts as an air-jacket to the room. Air within said space will become heated to approximately the extent of the air within the room. Therefore cold air from the outside in attempting an entrance comes in contact with the warm air within said space and is heated. Furthermore, cold air would find difficulty in effecting an entrance through the warm-air jacket.

In the accompanying drawings, forming part of this specification, Figure 1 illustrates an elevation of my improvement as viewed from the inside of a room. Fig. 2 illustrates an elevation of my improvement as viewed from the outside of a building and shows the shutters thereupon. Fig. 3 is a vertical cross-section taken on a line *a a* in Fig. 1 and shows the double set of sashes and panes therein, the upper and lower sashes being illustrated by dotted lines in an open position; and Fig. 4 is a sectional plan view taken on a line *b b* in Fig. 3 and shows the shade-roller in position.

Referring now to the drawings, 1 indicates my improved window casing and sashes as an entirety, while 2 is the inside casing member. At the top of the casing I provide a cover 4, and adjacent to said cover a filling member 5. Intermediate of the top and bottom of the casing 1 I place a cross-bar 6, the bottom of the casing 1 being provided with a base member 7. The sides of the casing 1 are provided with vertical members 7^a, which are set slightly away from the outside edges of the members 2 and 3, thereby leaving a pocket 7^c at each side of the frame. Into the said pockets the studdings of a frame-building can fit or the wall of a brick or stone building.

Between the cover 4 and filling member 5 of the casing 1 a box-like formation 8 is effected, into which I place a shade-roller 9, the same being supported by brackets placed upon the side members 7^a 7^a in the usual manner. Within the filling member 5 I form an opening 5^a, through which the shade 9^a may pass. It will be understood that the shade-roller 9 will be of the ordinary self-acting spring type, such as is usually used. In the cross-bar 6 I form an opening 6^a for the purpose of passing the shade 9^a through when it is desired to pull said shade completely down, the opening 6^a extending across the bar 6 to an extent sufficient for requirements, as shown by dotted lines, Fig. 1. Adjacent to the outside face of the casing 1, at a position above the cross-bar 6, I place a sash and pane 10, and adjacent to the inside face of said sash I place a second sash and pane 11, said sashes 10 and 11 swinging upon ordinary hinges 12 and 13, respectively, and in a vertical plane. For the purpose of securing the frames in a desired open position I place upon the casing 1 in a position convenient to the said frames 10 and 11 fasteners 14 and 15, which are provided with holes 16 17, respectively. The sashes 10 and 11 are provided with brackets 17^a 18, having an opening through which pins 19 20 upon said sash can pass. Each sash 10 and 11 is provided with latches 21 22, respectively, for holding said sashes closed. Below the cross-bar 6 I place sashes and panes 23 24 adjacent to the outer and inner faces of the casing 1, respectively, said sashes 23 24 swinging in a horizontal plane upon hinges 25 26 and are provided with a latch 27 for holding the sashes closed.

By the hereinbefore-described arrangement a space 28 is formed, which, as has been hereinbefore referred to, forms an air-jacket.

The outside of the casing 1 is provided with the ordinary form of shutters 29.

It will be understood that the bar 6, member 5, and base 7 are rabbeted to suit the sashes, as shown.

As my improved window-casing is somewhat deeper than the ordinary casing, it is possible to so adjust the sashes 10 and 11 in reference to each other in an open position as to keep out rain. The curtain-roller 9 being in the box 8 is kept free from dirt and dampness.

For the purpose of access to the shade-roller 9 I intend that the top bar 30 for the inner casing member 2 shall be movably mounted, it being secured in place by the dowel-pins 31,

Fig. 1; but I consider it within the scope of my invention to mount the said bar 30 upon hinges, so that it may be swung open instead of lifted out, or it may be otherwise detachably mounted. The sash 11 will in no way be affected by the removal of the said bar 30. By having the bar 30 movably or detachably mounted the shade-roller 9 can be taken out for any purpose, such as for adjustment of the spring, &c.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An improved window-casing, comprising an outer frame member and an inner frame member, a cover at the top of said members, a filling member between said outer and inner frame members adjacent to said cover, but separated therefrom, thereby leaving a box-like space between said filling member and said cover, a shade-roller and shade thereupon within said space, an opening in said filling member for said shade to pass through, a permanent cross-bar carried by said frame, intermediate of the top and bottom thereof, an opening in said cross-bar for said shade to pass through, and a plurality of independently-swinging sashes carried by said casing below said cross-bar.

2. An improved window-casing, comprising an outer frame member and an inner frame member, a cover at the top of said members, a filling member between said outer and inner frame members adjacent to said cover, but separated therefrom, thereby leaving a box-like space between said filling member and said cover, a shade-roller and shade thereupon within said space, an opening in said filling member for said shade to pass through, a permanent cross-bar carried by said frame, intermediate of the top and bottom thereof, an opening in said cross-bar for said shade to pass through, a plurality of independently-swinging sashes carried by said casing and above said cross-bar, a plurality of independently-swinging sashes carried by said casing below said cross-bar, the sashes above said cross-bar adapted to swing in a vertical plane, and the sashes below said cross-bar adapted to swing in a horizontal plane.

3. An improved window-casing, comprising an outer frame member and an inner frame member, a cover at the top of said members, a filling member between said outer and inner frame members adjacent to said cover, but separated therefrom, thereby leaving a box-like space between said filling member and said cover, a shade-roller and shade thereupon within said space, an opening in said filling member for said shade to pass through, a permanent cross-bar carried by said frame, intermediate of the top and bottom thereof, an opening in said cross-bar for said shade to pass through, a plurality of independently-swinging sashes carried by said casing and above said cross-bar, a plurality of independently-swinging sashes carried by said casing below said cross-bar, the sashes above said cross-bar, pivoted at the lower ends to said cross-bar to swing inwardly, means for retaining said frames in an open position, the sashes below said cross-bar pivoted to the sides of said casing to swing inwardly, together with shutters carried by said casing.

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Witnesses:
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