

S. C. YOUNG.
WINDOW SASH.

Patented Mar. 29, 1892.

Fig. 2.

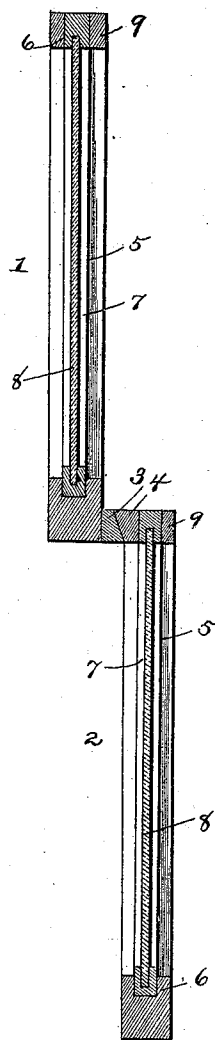
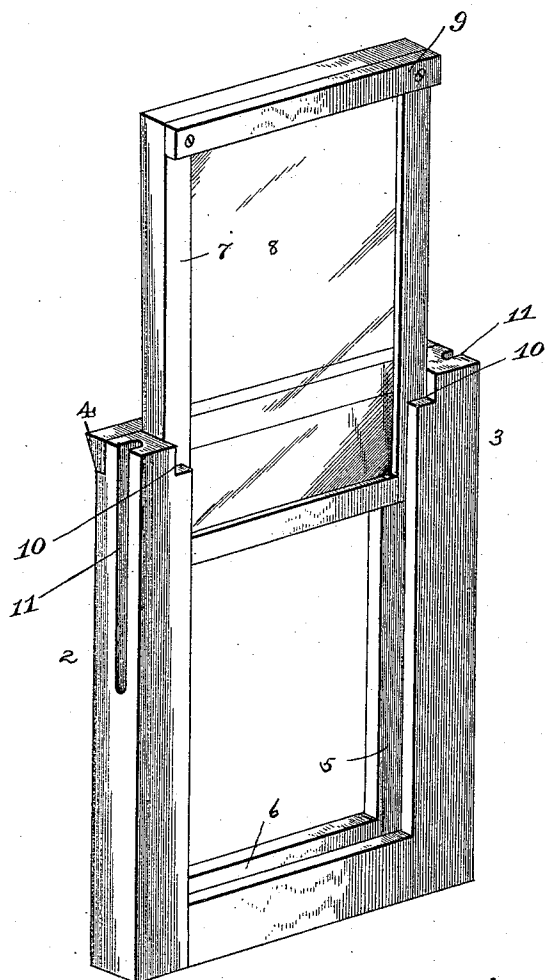
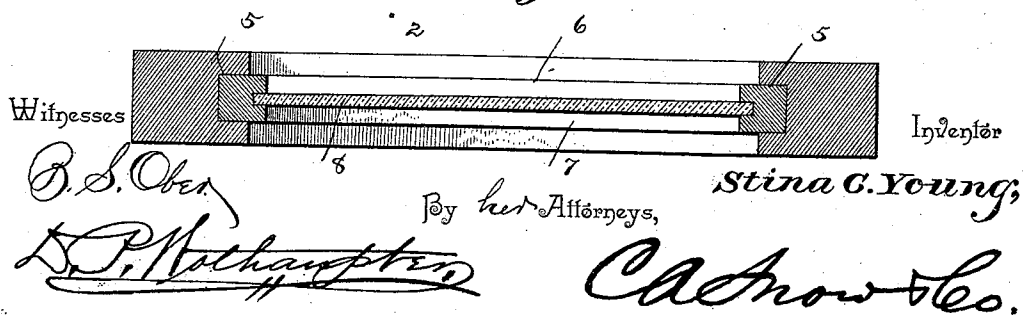


Fig. 3.



UNITED STATES PATENT OFFICE.

STINA C. YOUNG, OF ENGLEWOOD, ILLINOIS.

WINDOW-SASH.

SPECIFICATION forming part of Letters Patent No. 471,663, dated March 29, 1892.

Application filed June 25, 1891. Serial No. 397,477. (No model.)

To all whom it may concern:

Be it known that I, STINA C. YOUNG, a citizen of the United States, residing at Englewood, in the county of Cook and State of Illinois, have invented a new and useful Window-Sash, of which the following is a specification.

My invention relates to improvements in window-sashes; and it has for its object to provide a sash whereby ready access may be had to the glass therein and to all parts thereof for the purpose of cleansing the glass, for facilitating the insertion of new panes to supplement broken glass, and also to avoid the objection of painting the frame inclosing the glass, and particularly in order that both time and labor may be economized in cleansing the glass.

With these objects in view the invention consists of a sash provided with a removable supplemental frame within which is secured the ordinary window-pane, the same being arranged and constructed in the novel manner described, illustrated in the drawings, and specifically pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of a sash constructed in accordance with my invention, illustrating the supplemental sliding frame therein in its withdrawn position. Fig. 2 is a longitudinal sectional view of both sashes constructed as described. Fig. 3 is a transverse sectional view of a single sash embodying the features described.

Referring to the accompanying drawings, 1 designates the ordinary upper sash, located within the usual window-casing, and the lower sash (designated by the numeral 2) occupies the usual relative position to the upper sash, while both sashes are provided with the usual beveled meeting edges 3 and 4. Within the side rails of each sash are grooves 5, which communicate with a bottom groove 6, located within the bottom rail of each and form together ways within which the supplemental sash or frame 7 slides and is seated, the same carrying the ordinary pane of glass 8, fitted therein in the customary manner, and are provided at their upper edges with the cross-cleats 9, which when the said sliding frame or sash

is seated within the main frame takes into the shoulders 10, located at the upper ends of the side rails of the main sash, and besides forming an additional seat for the supplemental sash also provides means whereby the said sash or frame may be easily removed for the purposes described. Further than accommodating the supplemental sash or frame, the main sashes are of the ordinary type and are mounted and slide within the window-casing, as usual, being provided with the sash-cord grooves 11, and other ordinary details.

Having described my invention, its operation is thought to be apparent without further description. In order that the supplemental sash or frame in the upper sash may be removed, the lower sash is raised and the upper sash lowered a sufficient distance to allow the supplemental frame to be slid therefrom, while from the lower sash the supplemental sash or frame may be removed therefrom while both sashes are in their normal positions. It can be now readily seen how the frames can be readily removed in order to wash the panes of glass without soiling the wood-work, and vice versa, and that the wood-work may be painted without soiling the panes.

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

In a window-sash, the main sash-frame provided with the inner side grooves, the bottom communicating groove or recess, and the inner shoulders 10, located at the upper ends of the sides of said sash, and a supplemental frame or sash having the ordinary window-light fitted therein, vertically sliding and seated within said grooves and provided with an upper transverse cross-cleat 9, which is adapted to take within said shoulders 10 and rest flush with the top of the sash-frame, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

STINA C. YOUNG.

Witnesses:

BYRON G. YOUNG,
W. H. GORHAM.