

UNITED STATES PATENT OFFICE.

EDWARD A. CAMPBELL, OF WILLIAMS BRIDGE, NEW YORK.

SASH-SUPPORTER.

Specification forming part of Letters Patent No. 50,332, dated October 10, 1865.

To all whom it may concern:

Be it known that I, EDWARD A. CAMPBELL, of Williams Bridge, in the county of Westchester and State of New York, have invented, made, and applied to use, a certain new and useful Improvement in Sash-Supporters; and I do hereby declare the following to be a full, clear, and exact description of the said invention; reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a section representing part of the sashes, with the supporters or locks in place; and Fig. 2 is a plan of said supporters in place in the window-casing.

The same parts are referred to by like letters.

Sash-supporters have heretofore been made as a swinging clamp, having a projection taking against both the outer and inner sides of the sash, near the edge thereof; but this device cannot be applied without cutting a cavity into the molding or strip at the side of the casing, as well as cutting a cavity into the casing. This renders it difficult to remove the molding from the casing if the sash has to be taken out, and also requires much more work and fitting when applied; and the lock or supporter to the upper and outer sash cannot be reached, except by placing the finger in the groove above the lower and inner sash, much to the inconvenience of parties raising or lowering the sashes.

The nature of my said invention consists in a hooked lever let into the window-casing so that the hook acts against the outer face of the sash to draw it toward and bind it against the molding, and the end of the lever passes behind the molding and projects so as to be easily moved when the sash is to be lowered. A similar lever operates upon the upper and outer sash, and by this construction the fastenings can be applied to the casing before the

molding is put on, and do not interfere with the insertion or removal of said molding.

In the drawings, *a* represents the window-casing, *b* the lower and inner sash, *c* the outer and upper sash. *d* is my lever sash-supporter for the lower sash, set on the fulcrum *e* and let in flush with the face of the casing. *f* is the hooked end, and *g* is the thumb-piece or projecting end, of the lever. *h* is the molding securing the sash in place.

It will now be seen that as the sash is raised the hooked end *f* is against the outer face of the sash, near the edge, and when the sash is sustained by the hook it is, in consequence of the said hook drawing the sash toward the molding *h* as the lever swings downward and inward by the friction and weight of the sash, against the hooked end *f*.

The supporter for the outer and upper sash is made in the same manner, and acts to draw it toward the intermediate molding, *i*. In this supporter *d'*, *f'* is the hook, *e'* the fulcrum, and *g'* the thumb-piece, and the operation is as before mentioned. The thumb-pieces *g g'* are in a position easily accessible, and my supporter is very simple, cheap, and easily applied.

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

The sash-supporter formed with a hooked end to act against the outside of the sash, and with a thumb-piece or projecting end to be let into the window-casing and protrude therefrom, as and for the purposes set forth.

In witness whereof I have hereunto set my signature this 19th day of August, A. D. 1865.

E. A. CAMPBELL.

Witnesses:

CHAS. H. SMITH,
I. E. SERRELL, Jr.