

A. IRVINE.
SASH-HOLDER.

No. 183,676.

Patented Oct. 24, 1876.

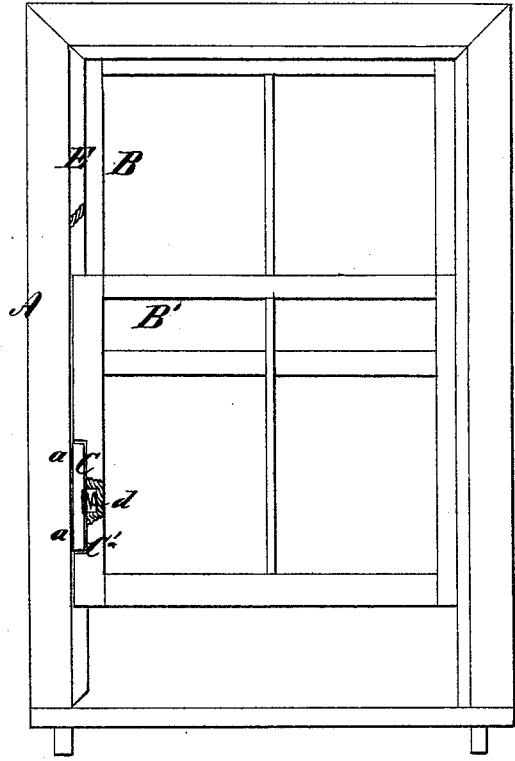


Fig. 1

Fig. 4



Fig. 2

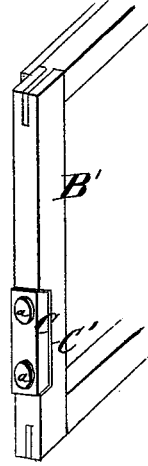
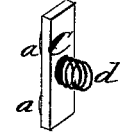


Fig. 3



Witnesses
Saml. J. Van Duvoren
Jos. B. Connolly

Inventor
Albert Irvine

By Connolly Bros Attorneys

UNITED STATES PATENT OFFICE.

ALBERT IRVINE, OF GLOUCESTER CITY, NEW JERSEY.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. **183,676**, dated October 24, 1876; application filed September 14, 1876.

To all whom it may concern:

Be it known that I, ALBERT IRVINE, of Gloucester City, in the county of Camden and State of New Jersey, have invented certain new and useful Improvements in Sash-Supporters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a face elevation of a window frame and sashes with my improvement applied. Fig. 2 is a perspective view of part of sash with my improvement. Fig. 3 is a perspective view of cushioned block. Fig. 4 is a sectional view of block.

This invention has relation to window-sash supporters; and consists in the provision of a novel device, composed of a cushioned block resting against a spring, said block being inserted in a recess in the side of the sash, and caused by the spring to impinge against the adjacent inner surface of the frame, so as to increase the friction and thus cause the sash to remain supported at any desired height, as hereinafter more fully described, and definitely claimed.

Referring to the drawings, A designates a window-frame, and B B' two sliding sashes of ordinary construction. C designates the friction-block, fitting a corresponding recess in the side of the sash, and provided on its face with one or more cushions, *a a*, of india-rubber or other suitable material, to come in contact with the inner surface of the window-frame. The back portion of the block is recessed or formed with a projecting boss or teat, and

holds the end of a spiral spring, *d*, which projects into another recess in the sash, at the back of the larger recess C'. The object of the spring is to press the block outward, and keep it in close contact with the frame, so that the friction will prevent the sash from sliding unless when force is applied. The cushions *a a* are fastened into recesses in the face of the block, but project slightly, so that, when pressed against the frame by the force of the spring, they are compressed and exert their cushioning effect in overcoming the sliding tendency of the sash.

The sash-supporter is manifestly as effective as it is simple. It has the advantage of being applicable to any ordinary sash, and, when properly fitted in place, is entirely concealed from view by the strip E. In practice I intend the block to be cast with the recesses in the face for the cushions, and the back recess or boss for the spring, thereby lessening the cost of manufacture.

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

The combination, with the recessed sash, of the cast-metal block C, having recesses in its outer surface, holding rubber cushions *a a*, and a boss on its inner surface holding a spring, *d*, said block being concealed from view by the strip E, all substantially as described and shown, for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of September, 1876.

ALBERT IRVINE.

Witnesses:

GEORGE C. WYNKOOP,
THOMAS J. IRVINE.