(Model.)

G. B. SMITH.

SASH WEIGHT.

No. 276,913. Patented May 1, 1883.

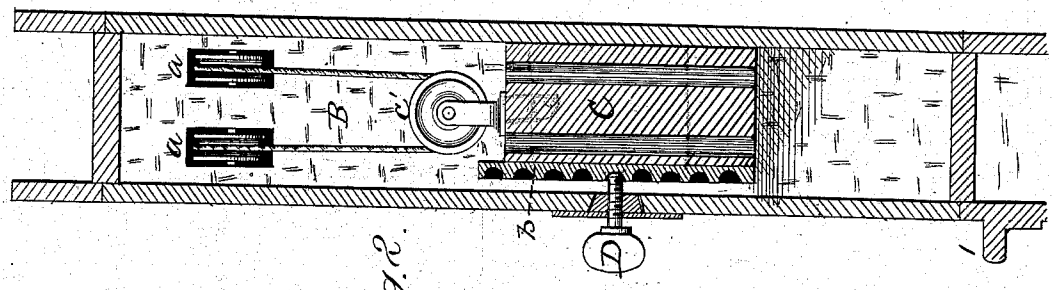


Fig. 2.

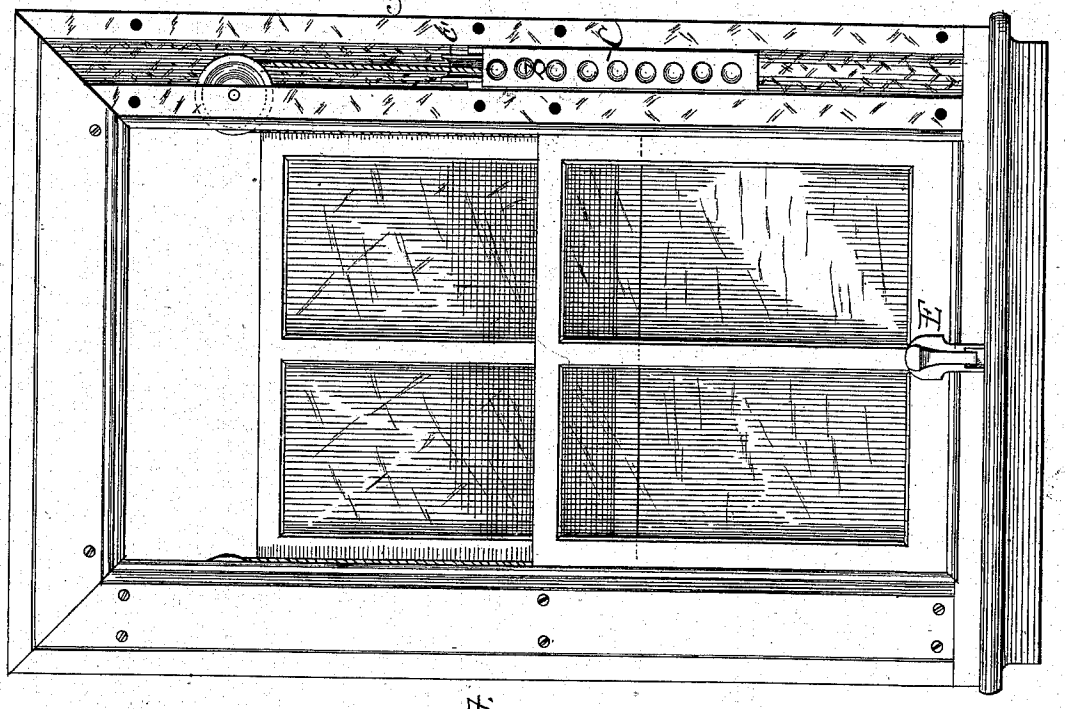


Fig. 1.

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UNITED STATES PATENT OFFICE.

GARY B. SMITH, OF DENVER, COLORADO.

SASH-WEIGHT.

SPECIFICATION forming part of Letters Patent No. 276,913, dated May 1, 1883.

Application filed July 29, 1882. (Model.)

To all whom it may concern:

Be it known that I, GARY B. SMITH, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Sash-Weights; 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 appertains to make and use the same.

This invention relates to sash-weights for windows; and the novelty consists in a sash-weight provided at its upper end with a pulley, and having its face formed or provided with a series of recesses or depressions adapted to receive a set-screw, as will be hereinafter more fully set forth.

Figure 1 is a front view of a window-frame with one of the side rails removed, showing a front view of my improved sash-weight; and Fig. 2 is a vertical sectional view of the side frame of the window-frame, showing a side sectional view of the sash-weight.

The letter A represents a window-frame with the usual sashes.

The letter B represents a single sash-cord passing over the independent pulleys *a a'*, with the ends secured by any suitable fastening means to the lower and upper sashes, and leaving the loop part in the chamber of the frame at the side.

Within the side chamber of the window-frame is arranged the sash-weight C, and having preferably fixed thereto the plate *b*, provided with a series of recesses or depressions, for the purpose of receiving the end of a set-screw, as seen in Fig. 2 of the drawings. This sash-weight, at its upper end, is provided with a pulley, *c'*, and is adjusted and arranged in the loop of the sash-cord, as seen in Fig. 2 of the drawings.

The letter D is a set-screw secured to and let through the plate of the side frame of the window, and arranged so as to screw against the weight and into the recessed plate, whereby the weight may be stopped and set at any desired position.

The letter E indicates a fastening means fixed to the lower rail of the lower sash, and locks in a catch on the sill.

A sash-weight of this construction is desirable for windows to secure ventilation of rooms, to wit: The adjustment of the upper sash for ventilation is accomplished by securing the lower sash by means of the latch on the lower rail, and then pulling the upper sash down as may be needed, and, when the desired point is reached, screwing the set-screw against the sash-weight. When the upper sash is secured against further downward progress, and the lower sash being secured by the catch below, the window is comparatively safe against intruders. If it be desired to adjust both sashes, the catch at the bottom can be loosened, and both sashes are free to be moved up or down.

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

As an improved article of manufacture, the sash-weight provided at its upper end with a pulley, and having its face formed with a series of recesses or depressions adapted to cooperate with a set-screw, as described.

In testimony whereof I affix my signature in presence of two witnesses.

GARY B. SMITH.

Witnesses:

E. W. HUTCHINSON,

E. ANDERSON.