W. BROWN.

Improvement in Window-Frames and Sashes.

No. 132,050. Patented Oct. 8, 1872.

Fig. 1

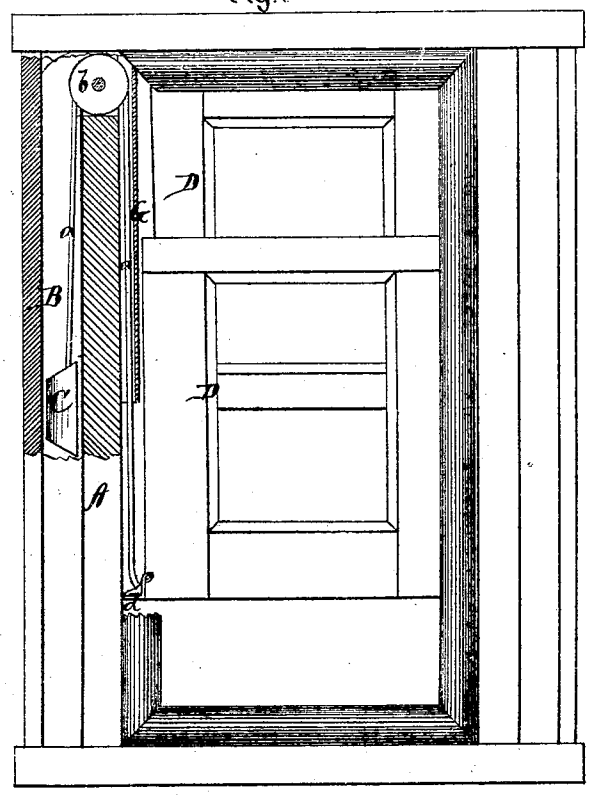
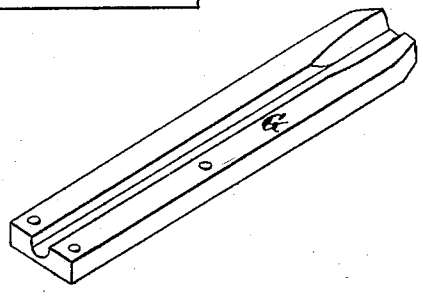


Fig. 2.

Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM BROWN, OF DUNCANNON, PENNSYLVANIA.

IMPROVEMENT IN WINDOW FRAMES AND SASHES.

Specification forming part of Letters Patent No. **132,050**, dated October 8, 1872.

To all whom it may concern:

Be it known that I, WILLIAM BROWN, of Duncannon, in the county of Perry and in the State of Pennsylvania, have invented certain new and useful Improvements in Window Frames and Sash; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The object of my invention is to conceal the pulleys and cords used for balancing window-sash, for the purpose of giving a finer finish to the window; and the nature of my invention consists in thin strips or slats grooved longitudinally, making recesses for the cords, said slats being laid over the cords from the top of the frame to a little below the top of the lower sash; and of metallic sash-guides fixed at the bottom of the sash and projecting about a quarter of an inch, or equal to the thickness of the said slats, all of which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view of a window-frame with sash, the frame being partly in section; Fig. 2 is a side view of one of the sash; and Fig. 3 is a perspective view, showing the inner side of one of the strips or slats.

A represents the window-frame provided as usual on each side with boxes B, in which the weights C move up and down, said weights being by cords *a* connected with the sashes D D and the cords passing over pulleys *b* at the upper end of the frame. In the usual mode of arranging these parts the cords, as well as the pulleys, are exposed to view on both sides of the frame. To obviate this, and thereby give a better finish to the window-frame, I use thin strips or slats G, which are grooved longitudinally on the inner sides, as shown in Fig. 3. One of these strips or slats is laid over each cord *a* from the top of the frame and extending to a little below the top of the lower sash. The sashes D D are, of course, to be made so much narrower than the inside of the frame as will compensate for the thickness of one of these strips or slats on each side. At the lower end on each side of each slat is a metallic projection, *d*, to which the end of the cord *a* is attached, said projections being of the same thickness as the strips or slats G, and forming guides for the sash so that they will move perpendicularly up and down without wabbling. The strips or slats G completely hide the otherwise exposed cords and pulleys, giving a better appearance to the window.

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

1. The longitudinally-grooved strips or slats G placed in a window-frame over the cords and pulleys of the sash-balance, substantially as and for the purposes herein set forth.

2. The combination of the longitudinally-grooved strips or slats G and the metallic guides *d*, when constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of February, 1872.

WM. BROWN.

Witnesses:

GEO. F. ROBINSON,

S. L. JENNINGS.