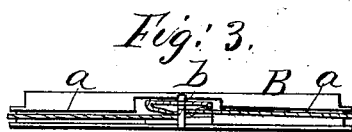
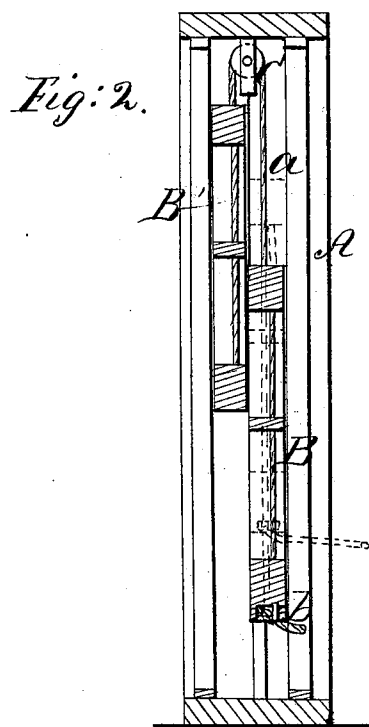
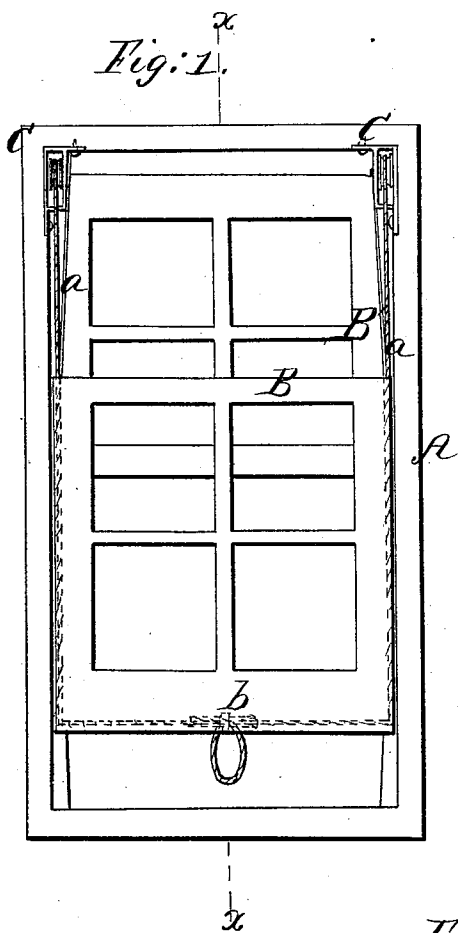


L. E. Payne,
Sash Balance.
N^o 13,435. Patented Aug. 14, 1855.



UNITED STATES PATENT OFFICE.

LYMAN E. PAYNE, OF YAZOO CITY, MISSISSIPPI.

MODE OF HANGING WINDOW-SASHES.

Specification of Letters Patent No. 13,435, dated August 14, 1855.

To all whom it may concern:

Be it known that I, L. E. PAYNE, of Yazoo City, in the county of Yazoo and State of Mississippi, have invented a new and Improved Mode of Hanging or Balancing Window-Sashes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a front view of a window with my improvement applied to the sashes. Fig. 2, is a transverse vertical section of ditto, (x) (x) Fig. 1, showing the plane of section. Fig. 3, is an under view of the low sash.

Similar letters of reference indicate corresponding parts in the several figures.

The nature of my invention consists in a peculiar way of applying the cords to the sashes whereby the sashes are not only made to balance each other but either sash may be operated independently of the other.

To enable others skilled in the art to fully understand and construct my invention I will proceed to describe it.

A, Figs. 1 and 2 represent the window casing or frame which is constructed in the usual manner, and B, B', represent the sashes which are fitted as usual within the casing or frame.

C, C, are pulleys which are secured to the upper end of the casing or frame, one at each side, as shown in Fig. 1, and (a) (a) are cords which pass over the pulleys C, C, one end of the cords being secured to the upper sash B', the other ends of the cords pass down by the sides of the lower sash B, and underneath the sash B, and pass through an eye (b) in the under edge of the sash B. The ends of the cords are united, or one cord only may be used the cord being passed through the eye (b) and the ends passed over the pulley C, C, and attached to each side of the upper sash B'.

The cords (a) when the sashes B, B', are closed as shown in Fig. 1, may be a

trifle longer than the length required to allow the sashes to be closed, and the ends may be secured in any proper manner underneath the lower sash by twisting it or by any proper fastening.

By having the cords (a) (a) pass over the pulleys C, C, and attaching them to both sashes the ends of the cords (a) underneath the lower edge of the lower sash B, being secured underneath the lower sash one sash will fall or descend when the other is raised, one sash balancing the other. But if it is desired to raise the lower sash only the ends of the cords underneath the sash B, are held by one hand down upon the sill of the frame or casing A, and the lower sash may be raised without affecting or displacing the upper one, and the sash B, may be retained in a raised position by fastening the cords underneath the sash B, in any proper manner. When the lower sash is raised the upper one B', may be lowered any required distance by loosening the cords underneath the sash B, and securing them when the sash B, is at the desired point.

The above invention is extremely simple and obviates the difficulty hitherto attending sashes balanced by each other, viz—that one sash cannot be moved without the other.

I do not claim attaching the cords (a) (a) to each sash so that one sash will balance the other, for that has been previously done, but,

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

Applying the cords (a) (a) to the sashes B, B', as herein shown, viz, the cords passing around the lower sash so that said cords may work around the lower sash B, or said sash B, may be raised or lowered without moving the cords as herein described for the purpose set forth.

L. E. PAYNE.

Witnesses:

J. M. MILLERD,
W. MILLERD.