(No Model.)

R. M. WILSON.

SLIDING WINDOW BLIND.

No. 374,105. Patented Nov. 29, 1887.

Fig. 1

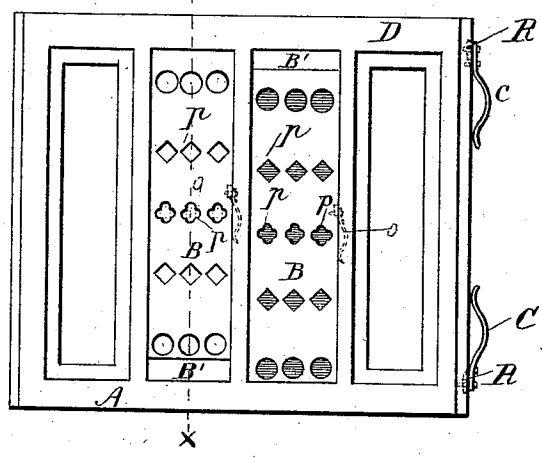


Fig. 2.



Fig. 3.

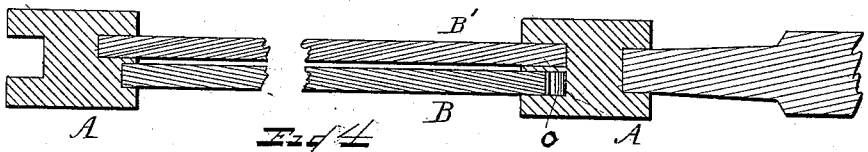


Fig. 4

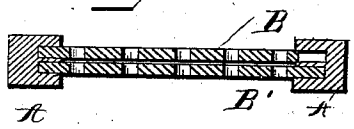
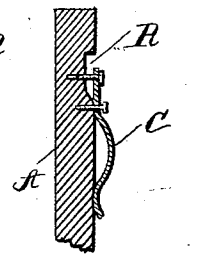


Fig. 5



Witnesses:
A. Story
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UNITED STATES PATENT OFFICE.

ROBERT M. WILSON, OF DANVILLE, PENNSYLVANIA.

SLIDING WINDOW-BLIND.

SPECIFICATION forming part of Letters Patent No. 374,105, dated November 29, 1887.

Application filed June 9, 1887. Serial No. 240,814. (No model.)

To all whom it may concern:

Be it known that I, ROBERT M. WILSON, a citizen of the United States, residing at Danville, in the county of Montour and State of Pennsylvania, have invented a new and useful Improvement in Window-Blinds for Houses, of which the following is a specification.

My invention relates to window-blinds made to open by raising or sliding perpendicularly. My blinds are made in sections, usually three in number, and slide up and down past each other in the manner of sash.

The object of my invention is to make a more convenient and ornamental blind than any heretofore used, and an improved means of partially opening the same and admitting light. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a front or face view of one of the sections of the blind, being of the width of the window and of such proportionate length of the window as may be desired. It is divided into panels in the illustration, four in number, the two center ones of which are perforated for the admission of light. Fig. 2 is an end or edge sectional view of the blind, showing three sections and the respective grooves in which they slide. Fig. 3 is an end or edge sectional view of the perforated panel. Fig. 4 is a vertical transverse sectional view taken on line *x x* in Fig. 1; and Fig. 5 is a vertical sectional view of an edge of the frame of the blind, showing the manner of adjustably securing a spring thereto.

The section D, consisting of a frame, A, with as many panels as desired, and being of the width of the window, slides up and down in grooves made in the window-frame for its reception; or a tongue may be made on the window-frame and a corresponding groove in the blind, as shown in Fig. 3.

The section of the blind is held at the point desired by one or more springs, *c c*, fastened upon its edge with two screws and pressing against the casing of the window. Said springs are rendered adjustable, so as to press with greater or less force against the casing, by cutting the wood away underneath the end of the spring, as shown at R, so that the tension of the spring may be increased by drawing up the end screw, and thereby throwing the free end of the spring farther out from the blind. The springs *o*, attached to the sliding panel, hereinafter described, are rendered adjustable by the same means.

The perforated panel B is double, consisting of two thin boards placed face to face and perforated alike, one of which, B′, is fixed, and the other, B, is movable, so that when the perforations *p* are made to coincide they are all alike open, and when the movable or sliding board B is pushed up or down the widths of the perforations all are alike closed. The sliding board is a little shorter than the fixed one, and runs in grooves in either side, and is held in its place as may be desired by one or more springs, *o*, on its edge pressing against the inside of the groove in which it slides.

In the illustration Fig. 1 one of the perforated panels is represented as open and the other shut.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In sliding window-blinds, the combination of the sliding perforated panel, a spring adjustably secured to one edge of said panel, and a corresponding perforated fixed panel, substantially as described.

2. In sliding window-blinds, the combination of a sliding perforated panel having a recess in its edge, screws, a spring, and a correspondingly-perforated fixed panel, substantially as described.

3. In sliding window-blinds, a casing, E, a blind or section, D, sliding in grooves in said casing, springs adjustably secured to said blind or section, perforated panels secured in said blind or section, the perforations of which are opened or closed by sliding a movable panel upon a fixed one, and adjustable springs secured to the edge of said movable panel, substantially as described.

ROBERT M. WILSON.

Witnesses:

ADAM G. ROTHFUSH,

H. Y. TROXELL.