

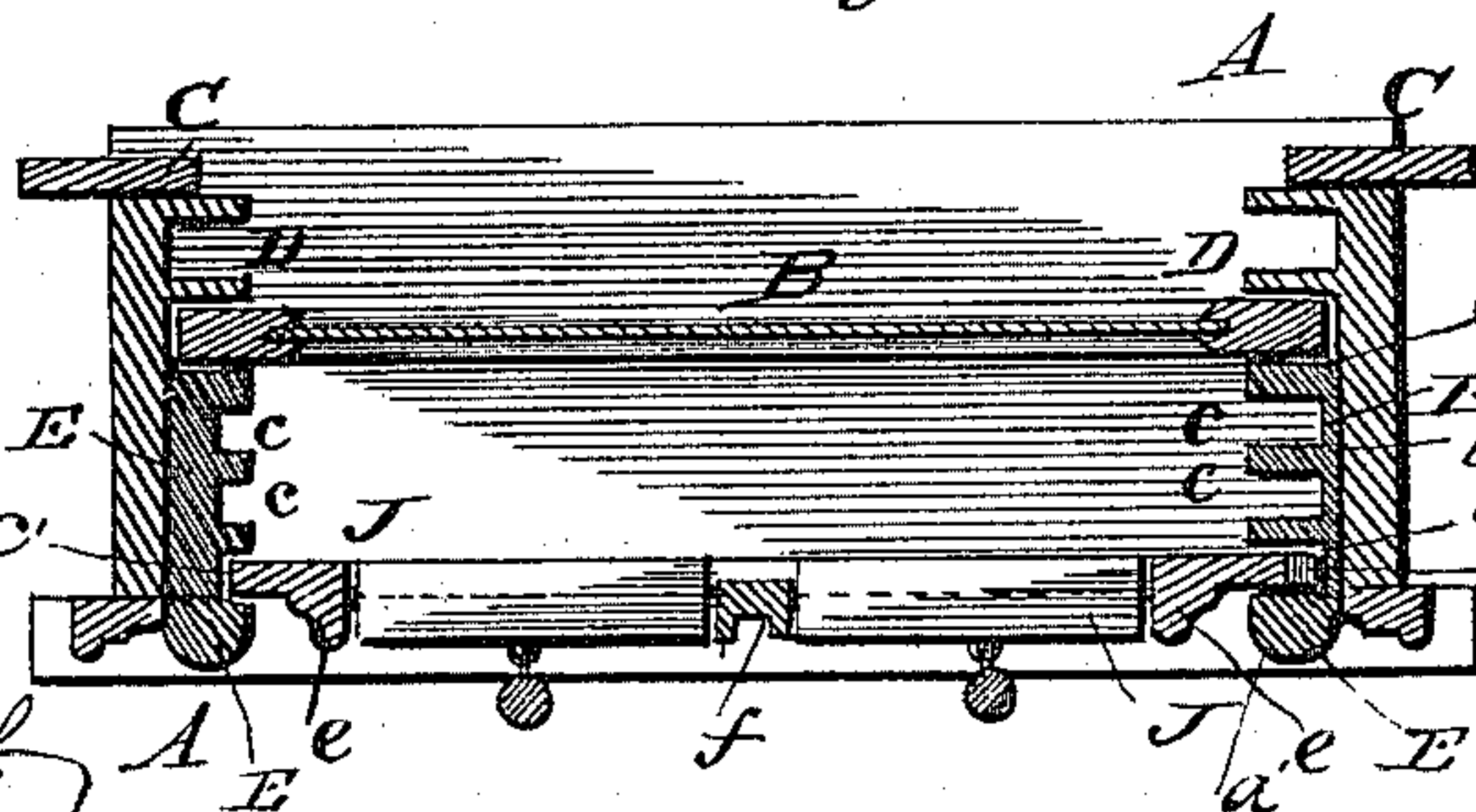
A. H. HILL.  
WINDOW BLIND.

Patented Feb. 26, 1884.

*Fig. 2.*



W. R. Keyworth.



By: Alexander  
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# UNITED STATES PATENT OFFICE.

ALEXANDER H. HILL, OF OSKALOOSA, IOWA.

## WINDOW-BLIND.

SPECIFICATION forming part of Letters Patent No. 294,233, dated February 26, 1884.

Application filed August 7, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER H. HILL, of Oskaloosa, in the county of Mahaska and State of Iowa, have invented certain new and useful Improvements in Sliding Window-Blinds; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is an inside view of a window-frame having my improved sliding window-blinds applied to it, showing the close-fitting slatted blinds raised and the movable slatted blind depressed. Fig. 2 is a vertical section through Fig. 1 in the plane indicated by dotted line *x x* thereon. Fig. 3 is a section taken horizontally through Fig. 1, in the plane indicated by dotted lines *y y* on Figs. 1 and 2.

This invention relates to improvements on movable sliding window-blind; and it consists in grooved strips adapted to the window-frame to receive and guide the window-blinds, said strips and blinds being arranged inside of the window-sashes and taking the place of the inside stop for the sash, all of which will be fully understood from the following description when taken in connection with the annexed drawings.

A designates a window-frame, which may be constructed in the usual well-known manner; and B B are two window-sashes, which are guided by the outside stop, C. The meeting-strips D and broad grooved strips E E are rigidly secured to the jambs of the window-frame. Each one of these strips is made of a single piece having three grooves, *c c c'*, in its inside face, which leave two inside stops, *a a'*, and two intermediate stops, *b b*. The grooves *c c* in the strips E E receive the edges of the stiles of vertically-sliding blinds G G', which are constructed with closely-fitting slats, and the grooves *c'* receive the edges of the stiles of a blind, J, which is provided with movable pivoted slats connected in sections by rods, in the well-known manner of constructing pivoted slatted blinds.

It is obvious from the above description that the blinds can be adjusted so as to partially exclude the light or to admit light from the top, the middle, or the bottom; also, that by means of the pivoted slatted blind free venti-

lation is allowed at any desired point between the top and bottom of the window-frame.

The frame of my pivoted slatted blind-section J consists of top and bottom rails united to stiles having re-enforcing portions *e e* formed on the stiles or made separate and nailed to them. The outside tenons of the slats have their bearings in said portions *e e*, and the inside tenons of the slats have their bearings in a central strip, *f*, nailed to the rails of the blind-frame.

By having the grooved strips E E made as described the sliding blinds can be neatly applied to almost any window-frame at a very small cost, without in any manner interfering with the working of the window-sashes, and said blinds can be operated to admit into a room more or less light, as may be desired.

For the purpose of readily introducing the blinds into their respective grooves in the side strips, E E, or removing the blinds therefrom, I make the blinds of less width than the distance between the bases of their grooves in the said strips E E, and employ bearing-springs S, as shown in Fig. 1 in dotted lines. These springs S are preferably of the semi-elliptic kind, and they are secured to one side of each blind.

I prefer two springs for each blind, which will hold it in the frame at any desired point of adjustment.

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

1. The combination of a window-frame, the outer and parting stops, the sashes, the grooved strips secured to the inner sides of the frame and forming the stops or beads for the inner sash, and a series of blinds mounted to slide in the said strips, one of said blinds being equipped with pivoted slats, as set forth.

2. The blind J, having side stiles provided with the beads *e*, and center strip, *f*, in combination with the slats pivoted in said bead and center strip, as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ALEXANDER H. HILL.

Witnesses:

W. R. KEYWORTH,  
A. E. DOWELL.