

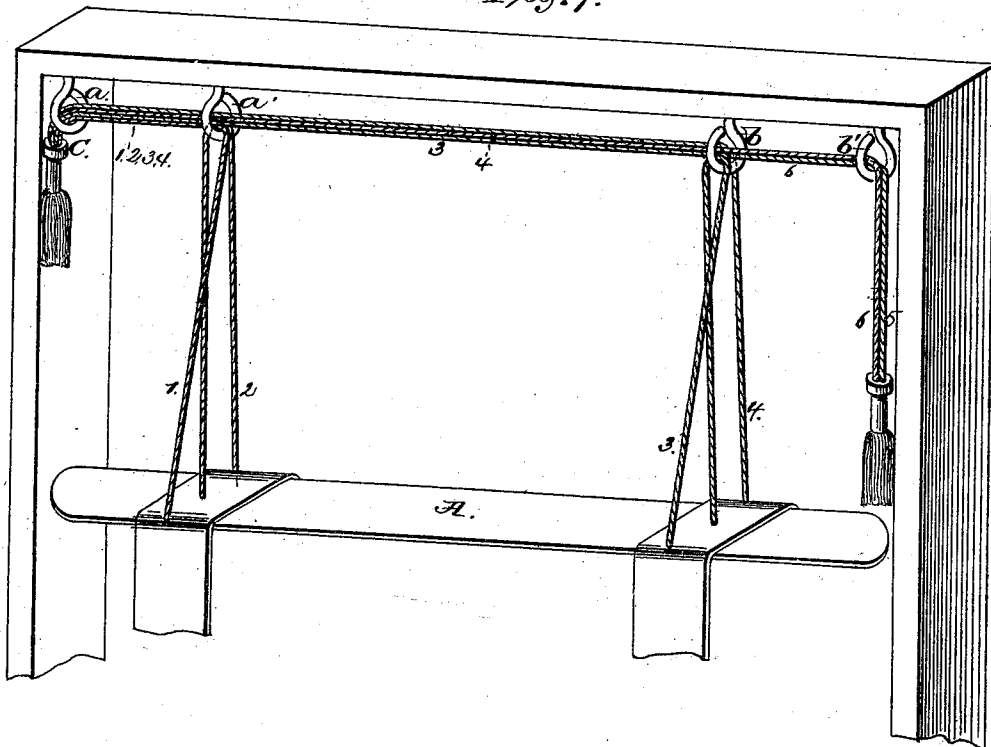
3 Sheets—Sheet 1.

D. Y. KILGORE.
INSIDE WINDOW-BLIND.

No. 173,224.

Patented Feb. 8, 1876.

Fig. 1.



Witnesses:

A. Locher
Wm. Hall Warren.

Inventor:

Damon Y. Kilgore.

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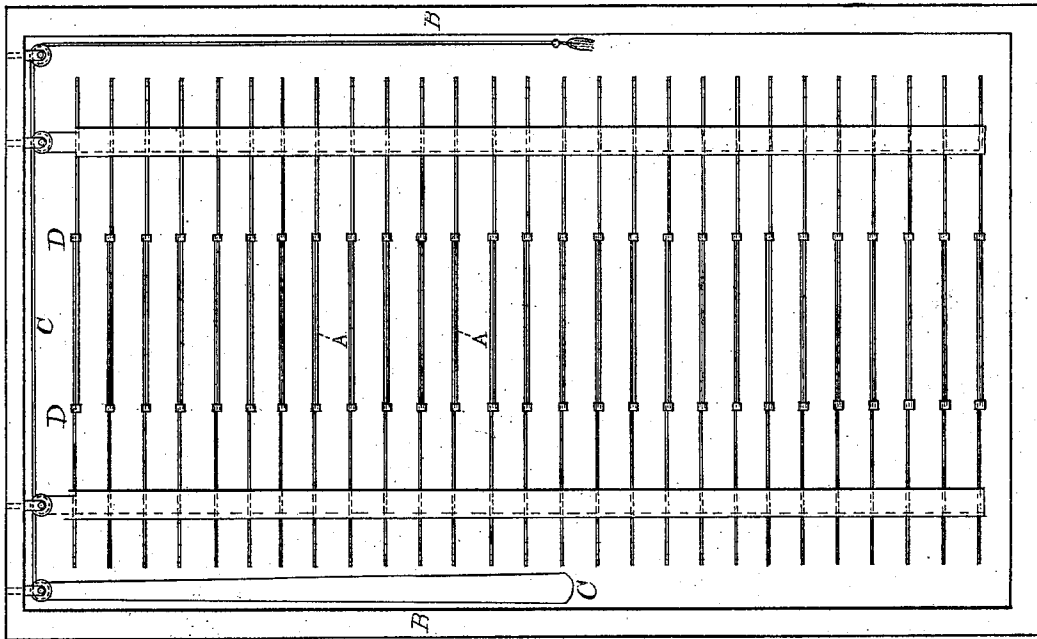


Fig. 2.

Witnesses,

A. L. Loecher

Wm. Hall Warner

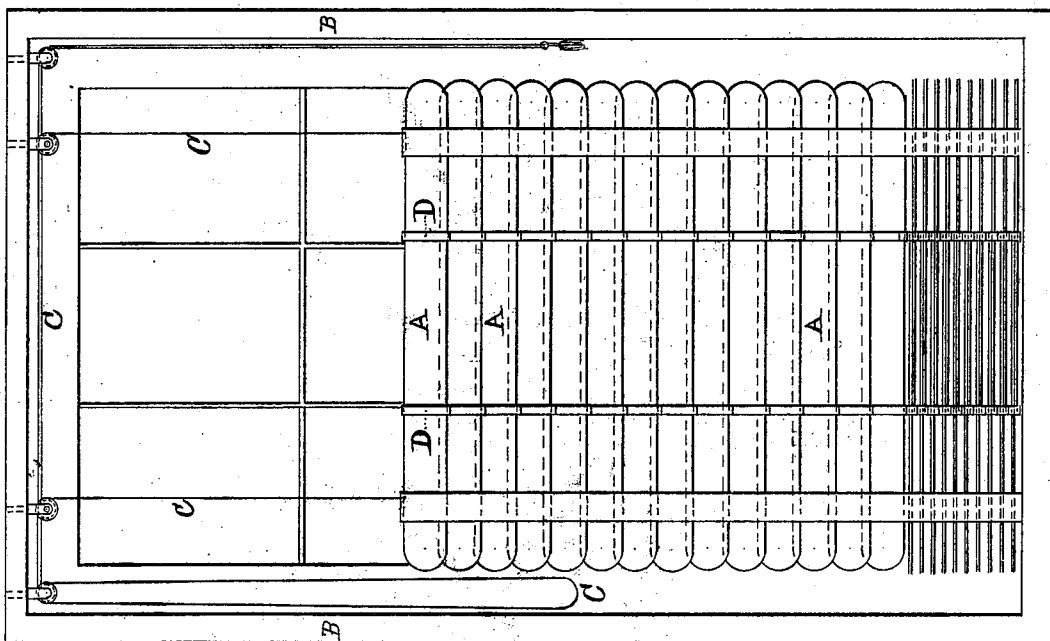
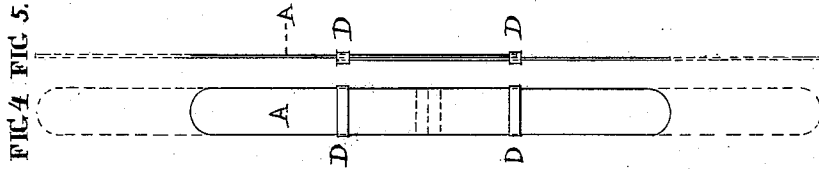
Inventor,

Damon Y. Kilgore

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INSIDE WINDOW-BLIND.

No. 173,224.

Patented Feb. 8, 1876.



Witnesses:
C. J. Lecher
Wm. Hall Ward

FIG. 3

Inventor,
Damon Y. Kilgore

UNITED STATES PATENT OFFICE.

DAMON Y. KILGORE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN INSIDE WINDOW-BLINDS.

Specification forming part of Letters Patent No. 173,224, dated February 8, 1876; application filed May 16, 1874.

To all whom it may concern:

Be it known that I, DAMON Y. KILGORE, of Philadelphia, in the State of Pennsylvania, have invented certain new and useful Improvements in Inside Window-Blinds, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a view illustrating my improved method of operating the cords. Fig. 2 is a view of a blind, with the adjustable slats turned horizontal or edgewise. Fig. 3 represents a blind partially lowered. Figs. 4 and 5 represent a face and side view of a slat.

My invention relates to inside window-blinds designed to be raised, lowered, and operated by means of cords; and it consists, first, in hanging the blinds in such a manner that the position of the slats in the blind is controlled and regulated by the same cords by which the blind is suspended and lowered, when desired, from the top; and, secondly, in making the slats adjustable to the size of the window to be furnished.

In order to enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

In the drawings, A represents the slats of an inside window-blind, secured together in the usual manner to form the blind. B represents the frame, into which the blind is to be fitted and hung. *a*, *a'*, and *b* are rings or pulleys, through or over which are passed the four cords 1 2 3 4, which are united into a tassel at C. All four of these cords are passed through the rings *a* *a'*, as shown in Fig. 1. From the ring *a'* two of the cords descend to the upper slat, to which they are attached at a point immediately below the ring *a'*. These two cords, say 1 and 2, are attached to the slat A on its bottom, after passing over or around its opposite edges, as shown in Fig. 1. The other two cords, 3 and 4, are passed through the ring or pulley *b*, and then are passed down and secured to the upper slat in a similar manner to the cords 1 and 2.

When the four cords are drawn taut by the tassel at C, the portion of the cords 1 and 2 from the ring *a'* to the slat will be of exactly the same length, and of the same length with the portion of cords 3 and 4 from

the ring *b* to the slat. It is evident that the result will be to suspend the blind evenly by the four cords, and with all the slats lying in a horizontal position, the upper slat being suspended by four cords of equal length. It is also evident that, by simply pulling two of the cords on the same side of the upper slat, that side of all the slats will be simultaneously thrown up, thus enabling a person to operate the slats at pleasure by means of the same cords with which the blinds are suspended.

b' is a pulley or ring, through or over which the cords 5 and 6 pass. Cord 5 passes from *b'* through *b* and *a'*, thence down through the slots *d* in the slats, to the bottom slat, to which it is secured. Cord 6 passes from *b'* through *b'* down, thence down through the slots *e* in the slats, to the bottom slat, to which it is secured.

By simultaneously pulling the cords 5 and 6 the slats are all drawn together, and elevated to any desired height.

The slats A are lapped at their inner ends by means of two bands, D, through which each slat passes.

The same result can be accomplished by a single band, with or without lapping the slats, and with or without another web or lace in the center of the blind.

When the ends of the slats do not lap together, the single band must be wide enough to admit of a maximum expansion of the slats.

By this method of lapping and extending the slats I produce an adjustable blind which may be readily and easily fitted to any window.

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

1. The adjustable slats A, constructed as described, and which may be extended or contracted to fit a wide or narrow window, as and for the purpose set forth.

2. The cords 1, 2, 3, and 4, and rings or pulleys *a*, *a'*, and *b*, in combination with a window-blind, the said cords being connected and arranged as described, to suspend the blind and operate the slats, as and for the purpose set forth.

DAMON Y. KILGORE.

Witnesses:

A. J. LOECHER,
WM. HALL WAXLER.