

(No Model.)

R. M. MARTIN.
BLIND SLAT ADJUSTER.

No. 337,275.

Patented Mar. 2, 1886.

Fig. 1.

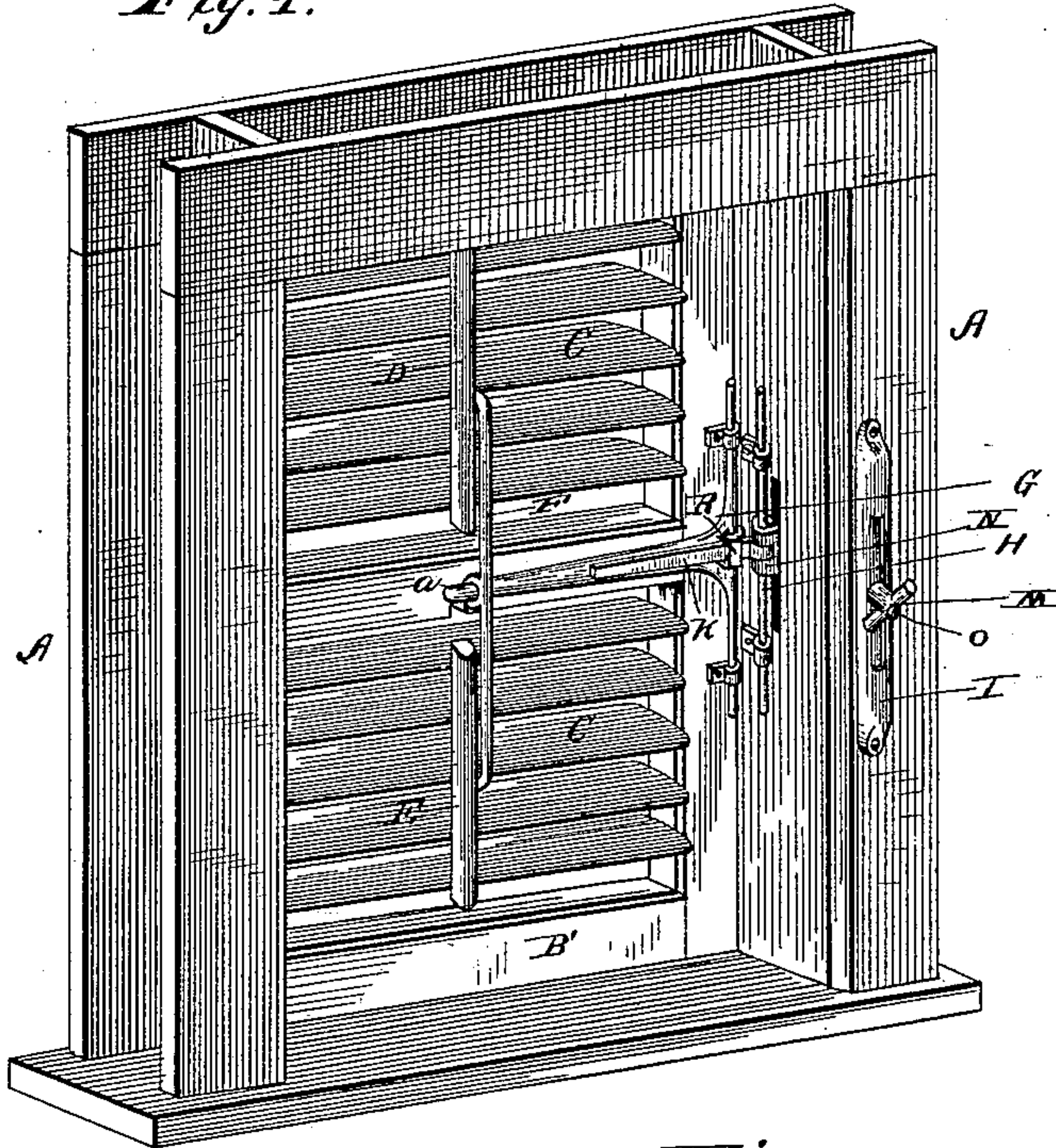


Fig. 2.

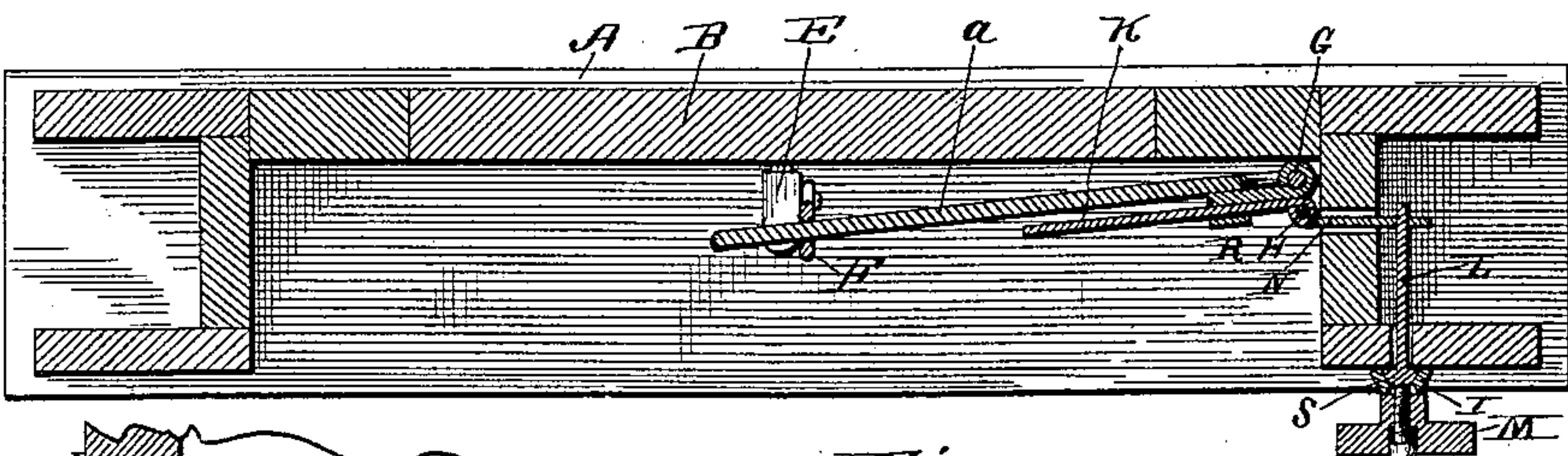


Fig. 3.

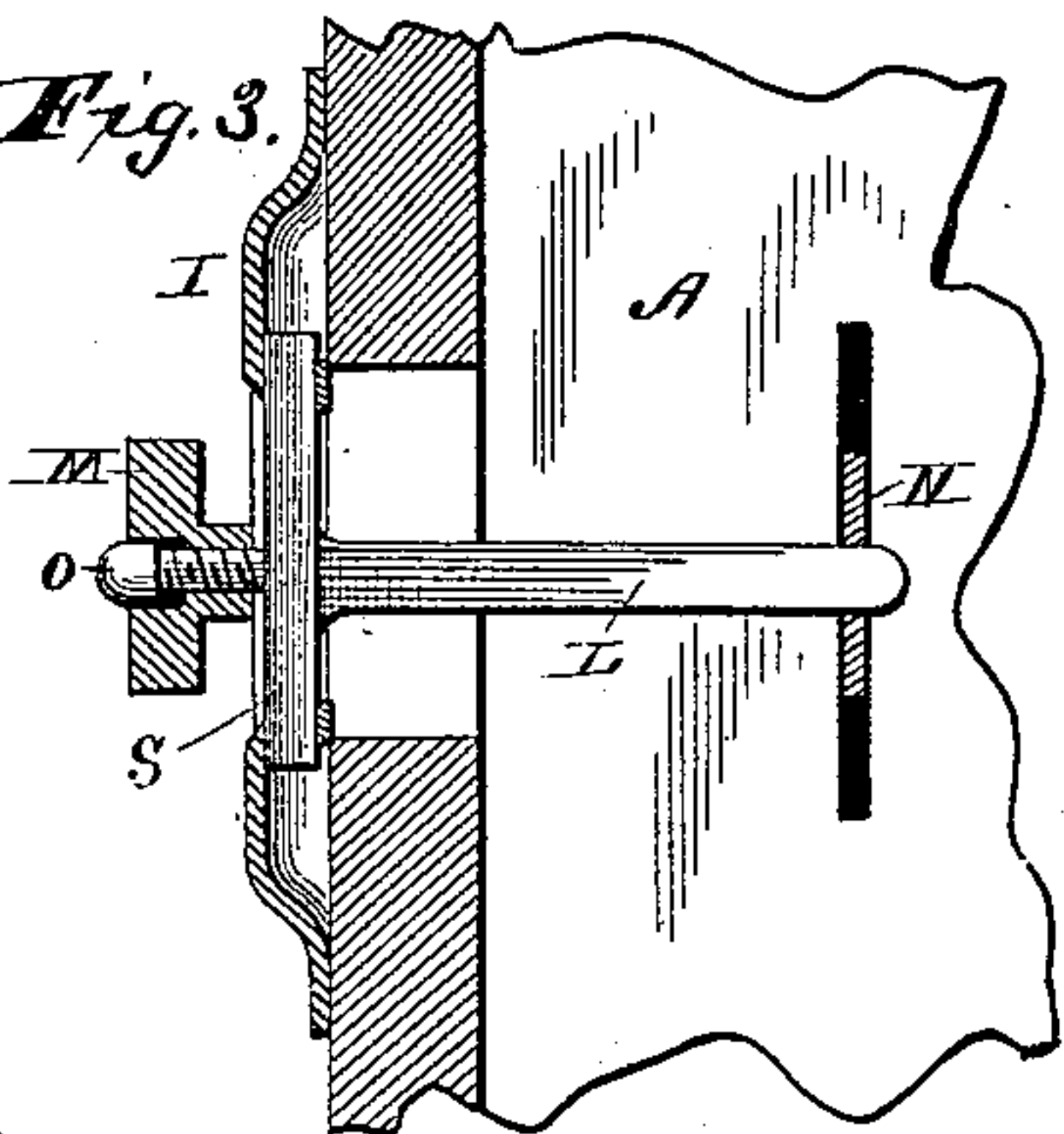
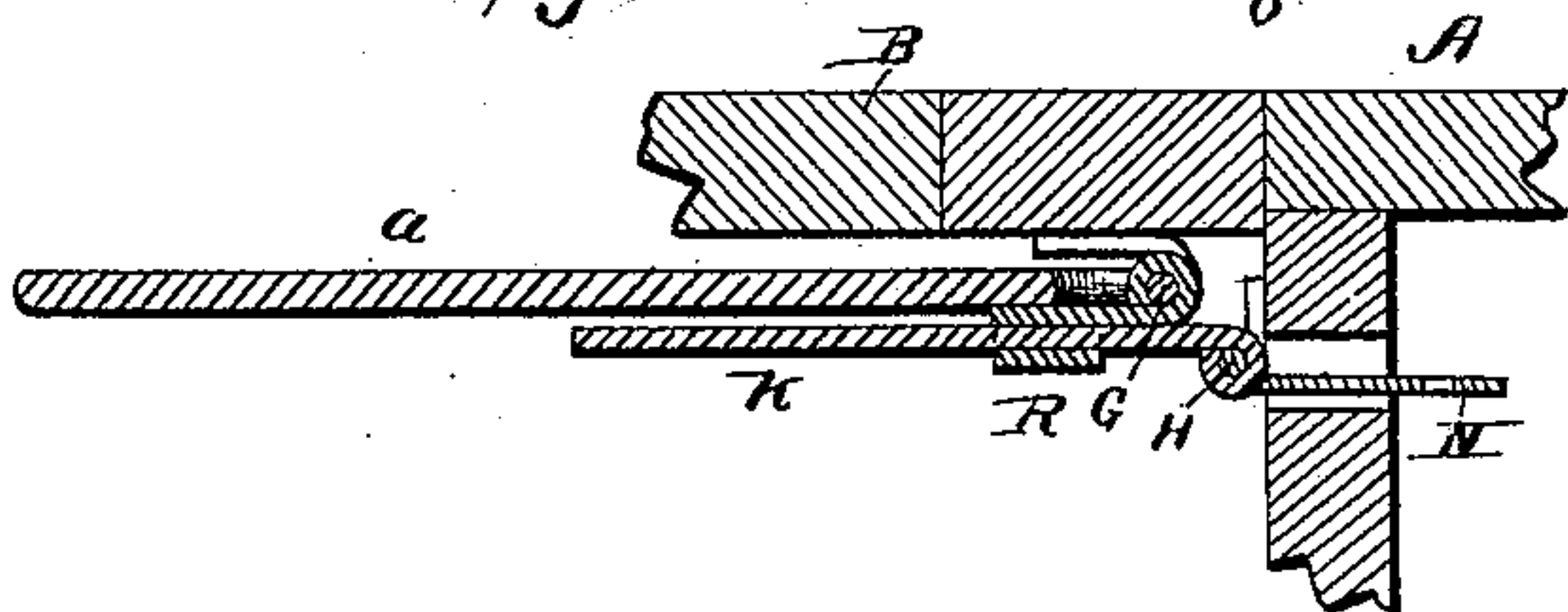


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

RICHARD M. MARTIN, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR TO
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BLIND-SLAT ADJUSTER.

SPECIFICATION forming part of Letters Patent No. 337,275, dated March 2, 1886.

Application filed December 17, 1885. Serial No. 185,913. (No model.)

To all whom it may concern:

Be it known that I, RICHARD M. MARTIN, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Blind-Slat Adjusters, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to adjustable slats for outside blinds for windows, and my object is to provide means whereby the slats in the slat-frame may be operated—that is, opened or closed, and stationed at any desired point—by the operator on the inside of the room or building, and that without having to raise the window for the purpose.

In the accompanying drawings, making a part of this specification, Figure 1 represents a perspective of a window case or frame with my device attached. Fig. 2 represents a cross-section. Figs. 3 and 4 are cross-sections of details, which will be described.

In the figures A represents the window case or box in which the windows are secured in the usual manner, and to which the blind-frame or sash is hinged.

B represents the blind-frame, in which are pivoted at their ends the slats C C. This frame has a division in it at its center and crosswise of it.

D and E represent rods, which are connected to the inner edges of the slats by metallic loops or staples, as is usual with this class of blinds.

F represents a connecting-rod, which connects the two rods D and E. This rod F is operated vertically by means of an arm, *a*, on a vertical shaft, G. The arm *a* plays freely in a loop upon the rod F, and the shaft G plays in keepers which are secured to the sash-blind frame.

H represents a vertical shaft, which plays in keepers secured to the window-box frame A. Hinged or adjustably connected to this shaft H is an arm, K, which passes through a keeper, R, which is hinged to the shaft G.

N represents a pronged plate, which passes horizontally through the window box or frame, its prongs embracing the inner end of the arm K. The other end of the plate is provided with a vertical slot, in which plays one end

of a bar, L. The bar L passes from the inside of the room through the box A. Near its outer end and secured to it is a vertical rod, S, and near its end is cut a screw-thread, the extreme end being provided with a head, O. A thumb-screw, M, passes over the thread and is provided with a recess in which the head O plays. This shouldered recess prevents the thumb-screw from coming off.

I represents a slotted casing, in which the rod S plays, and which is secured to the window bar or frame A.

In operating this device, the operator takes hold of the set-screw M, and by moving it vertically the blinds are opened or closed at will. The raising or lowering the thumb-screw gives the same motion to the bar L, and that in turn raises or lowers the plate N, which in turn, through the keeper R of arm K, raises and lowers the arm *a*, which in turn imparts a vertical movement to rod F, which connects the slat-rods, as has been stated, thus causing the slats to turn or open and close upon their pivots, to turn in light or shut it out at the will of the operator, and that without raising the windows. The arm K sliding in its keeper always keeps the parts connected.

By turning the thumb-screw the blinds may be locked or unlocked at pleasure.

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

1. The slat-rods D and E, the connecting-rod F, and the shaft G, with its arm *a*, in combination with the arm K, shaft H, plate N, and bar L, the several parts being operated substantially as and for the purpose specified.

2. The bar L, having upon it the rod S, and provided at its outer end with a screw-thread and a head, O, in combination with the thumb-screw M, and slotted casing I, the bar L being connected at its inner end to a plate, N, and with mechanism, as described, for operating the blinds, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

RICHARD M. MARTIN.

Witnesses:

J. D. MARTIN,
C. J. GETZ.