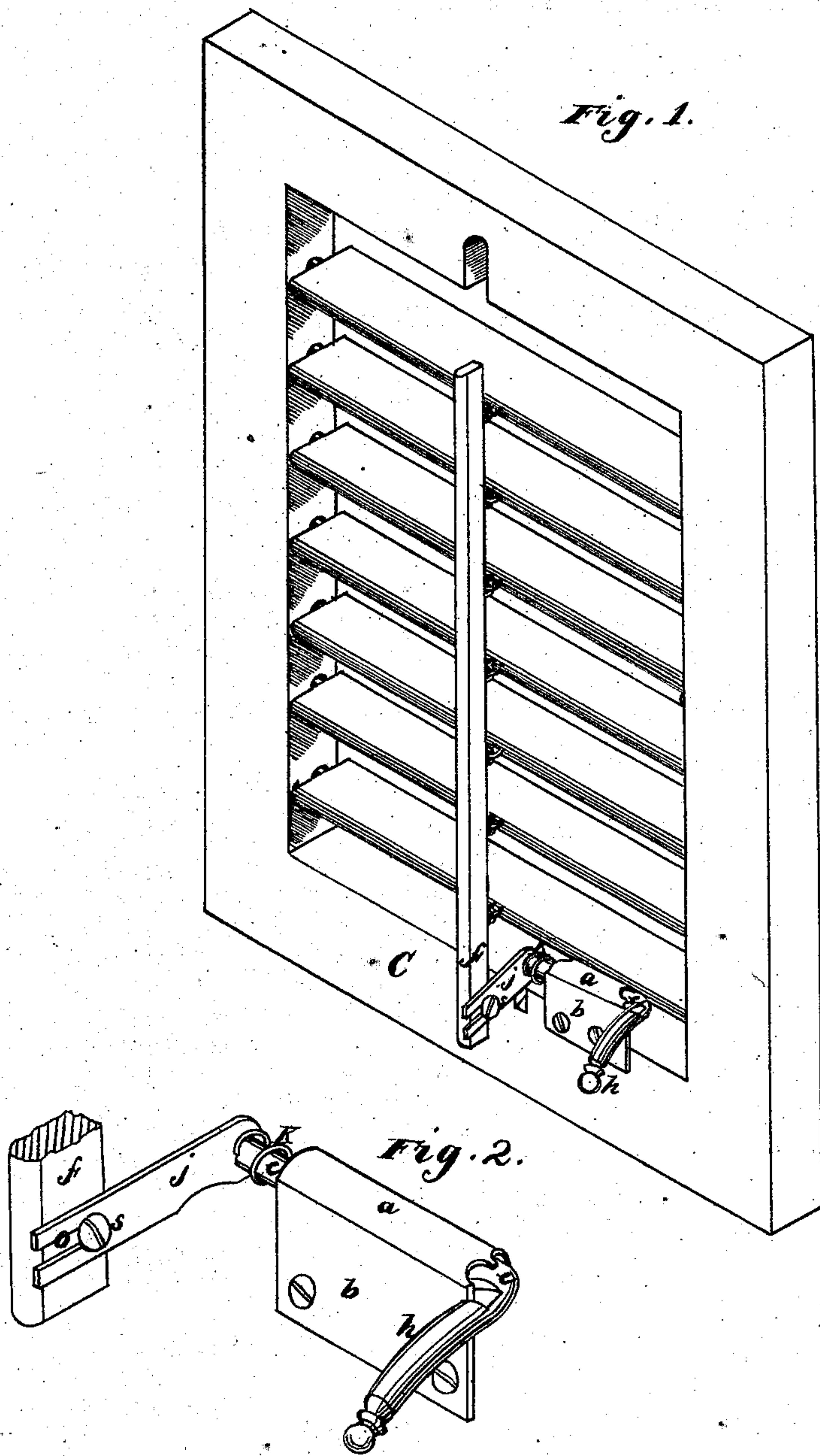


D. AARON.  
Blind-Slat Adjusters.

No. 158,562.

Patented Jan. 12, 1875.



Witnesses  
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C. M. Richardson

Inventor  
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attys.

# UNITED STATES PATENT OFFICE.

DAVID AARON, OF MARYSVILLE, CALIFORNIA.

## IMPROVEMENT IN BLIND-SLAT ADJUSTERS.

Specification forming part of Letters Patent No. **158,562**, dated January 12, 1875; application filed June 27, 1874.

### CASE B.

*To all whom it may concern:*

Be it known that I, DAVID AARON, of Marysville, Yuba county, State of California, have invented an Improved Blind-Slat Adjuster; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

The object of my invention is to improve the device for adjusting the slats of window-blinds, in which an arm on one end of a crank-shaft is made to raise and lower the rod which connects the slats, so that the slats can be adjusted and retained in any desired position. My improvement consists in a novel method of connecting the arm adjustably with the connecting-rod of the slats, as will be hereinafter more fully explained.

In order to properly explain my invention reference is had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of my adjuster. Fig. 2 is an enlarged view of a portion of it.

*a* represents a short tube or box. This tube I secure to one edge of a metal plate, *b*, so that the plate *b* can be fitted against the side of the lower rail *c* of a blind-frame, while the tube *a* rests upon its upper edge at one side of the lower end of the vertical rod *f*, which connects the slats. The tube *a* serves as a box for the shaft *e*, which passes through it, and the end of the tube which is farthest from the rod *f* is provided with two or more notches, in the usual way, so as to form a rack. The shaft *e* is long enough to have its outer end turned up at right angles to it, so as to form

a lever, *h*, for operating or turning the shaft in its box. The lower end of the lever *h*, near the angle and opposite the edge of the tube, is filed off on opposite sides, so as to form a V-edge which will fit in the notches in the end of the tube. Upon the opposite end of the shaft *e* one end of an arm, *j*, is secured, and a spiral spring, *k*, is placed around the projecting portion of the shaft between the end of the tube and arm. This spring serves to draw the V-edge of the lever into the notches in the opposite end of the tube. The upper edge of the arm *j* is provided with a slot or elongated opening, *o*, and a screw, *s*, passes through this slot or opening into the lower end of the rod *f*, so that the neck of the screw can move back and forth adjustably in the slot or elongated opening. This is necessary, as the radius described by the rod in opening and closing the slats varies in different blinds, so that, unless some play were allowed, a separate adjuster would have to be made for each blind. By placing the tube or box in which the shaft *e* works upon the upper edge of the lower rail of the sash it will not be in the way, and leaves the face of the frame entirely clear of obstructions.

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

The crank *h*, spring *k*, and tube *a*, in combination with a slotted arm, *j*, screw *s*, and connecting-rod *f*, so as to allow the arm *j* self-adjustability, as set forth.

In witness whereof I hereunto set my hand and seal.

DAVID AARON. [L. S.]

Witnesses:

JNO. L. BOONE,

C. M. RICHARDSON.