J. FAWCETT.

WINDOW BLIND.

No. 357,277. Patented Feb. 8, 1887.

Witnesses:
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JOHN FAWCETT, OF WEST UNION, IOWA.

WINDOW-BLIND.

SPECIFICATION forming part of Letters Patent No. 357,277, dated February 6, 1887.
Application filed June 11, 1886. Serial No. 284,996. (No model.)

To all whom it may concern:

Be it known that I, JOHN FAWCETT, residing at West Union, in the county of Fayette and State of Iowa, have invented a new and useful Improvement in Window-Blinds, of which the following is a specification.

My invention relates to an improvement in the mechanism for opening and closing the slats of blinds and in providing a device for locking or holding them securely either open or shut. I attain these objects by means of the mechanism shown in the accompanying drawings, in which:

Figure 1 is a plan view of the inside of the blind. Fig. 2 is a cross section on the line PP of Fig. 1. Fig. 3 is an outline view of one of the fasteners. Fig. 4 is an end view of one of the slats, showing the manner of attaching the fasteners.

Similar letters refer to similar parts throughout the several views.

A is the frame of the blind, in which the slats B are pivoted in the usual manner.

C is the rod by which the slats are operated.

I prefer to construct the slats of the shape shown more clearly in Fig. 4, each slat having a bend, e, on its upper edge, and a recess, c, on its lower opposite edge, so that the slats, when closed, fit closely together, so as to entirely exclude light, dust, rain, and snow.

The fasteners D, which serve to connect each slat with the operating-rod C, are of the shape shown in Fig. 3. The parts a and b are bent at right angles to each other along the dotted line m n. The fasteners are attached to each slat, as clearly shown in Fig. 3, by means of staples o, which are forced or driven into the slat through holes s s in the part b of the fastener, being clinched on the opposite side, in order to hold the fastener and slat securely and firmly together. Each slat is secured to the operating-rod by means of pins f passing through a hole d, in the end of the arm a of the fastener.

It is not essential to my invention that slats or fasteners of the shape or kind specified be used, as it can be applied to any blind having pivoted slats and an operating-rod for opening or closing them simultaneously.

The mechanism for opening and closing the slats and locking them in either position consists of the circular disk H, which is attached by a screw at its center to the bottom rail of the blind. A short curved link, I, of the shape shown in Fig. 1, extends from the lower end of the operating-rod C to a pin, 6, near the rim of the disk H. A suitably-shaped recess in the raised hub of the disk H (I prefer to make it square, as shown in the drawings) has a key, J, fitted to it, by means of which the disk can be rotated. The key J may be made of sufficient length to pass through a hole in the bottom rail of the lower sash of the window, so that the blind-slats can be opened and shut without raising the window. A screw or pin, 65 y, driven into the bottom rail of the blind and projecting out through the circular slot h serves as a stop to prevent the disk H from being rotated farther than is necessary for operating the blind-slats.

In the drawings the slats are represented as closed. To open them the key J is placed in the aperture in the center of the disk H and the disk given one-half a revolution in the direction of the arrow. The curved form of the link I is one of the essential parts of my invention. It allows the disk H to be rotated until the pin i is directly below the center of the disk H. The pin I, thus being on a "dead-center" when the slats are open or closed, they are held securely in those positions. The disk H may be made to revolve with sufficient friction to hold the slats at any intermediate point desired.

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

The mechanism for opening, closing, and locking blind-slats, consisting of the disk H, with curved slot h, pin i, and link I, combined with a slat-operating rod, C, substantially as and for the purpose specified.

JOHN FAWCETT.

Witnesses:

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