D. R. Williams,

Blind Stop.

No. 7,203. Fig: 1 Patented Mar. 19, 1850.

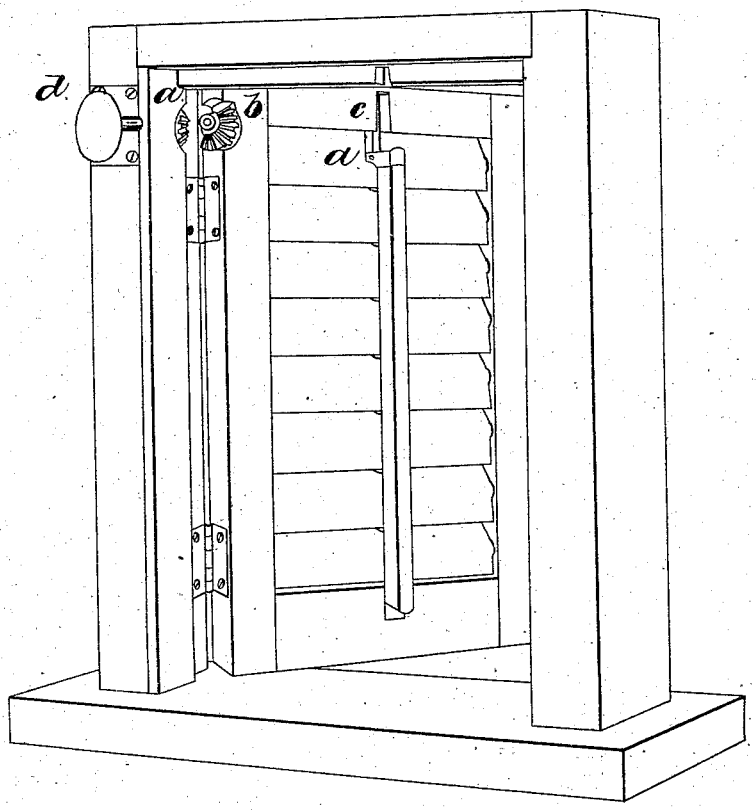
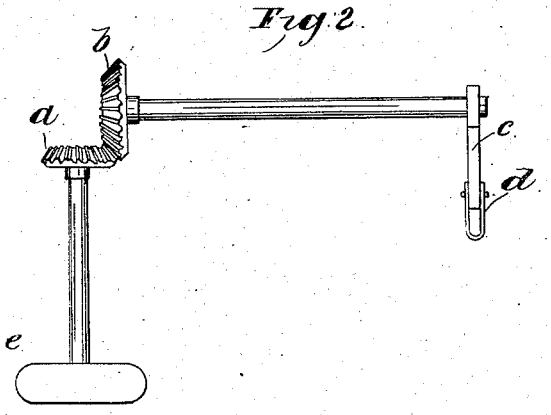


Fig: 2.



Inventor.

David R. Williams

UNITED STATES PATENT OFFICE.

DAVID R. WILLIAMS, OF PROSPECT, CONNECTICUT.

BLIND-SLAT OPERATOR.

Specification of Letters Patent No. 7,203, dated March 19, 1850.

To all whom it may concern:

Be it known that I, DAVID R. WILLIAMS, of the town of Prospect, in the county of New Haven and State of Connecticut, have invented a new and useful Method of Opening and Closing the Movable Slats of Window-Blinds; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in the application of bevel wheels and a movable joint to the blinds of windows so that the slats may be opened or closed from the inside of a room without raising the window.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

I construct a window blind with movable slats in the ordinary way, but in order that the slats may be opened and closed from the inside of a room without raising the window, I make two bevel wheels of any proper material of suitable size and fitting one another with a shaft attached to each, substantially as represented in Figure 2. The shaft of bevel-wheel (*b*,) I insert through the frame of the blind either at the top as seen in Fig. 1, or at the bottom, or in the middle as may be most convenient, and connect it with the perpendicular bar by means of a movable joint (*d*,) as seen in Figs. 1, and 2. This joint may be made in any convenient manner. This bevel-wheel should be set into the frame of the blind so as to allow of the free closing of the blind, as indicated in Fig. 1. I then make a hole in the casing or frame of the window, sufficiently large to receive the bevel-wheel (*a*), at the point where such bevel wheel when attached will be in gear with the bevel-wheel (*b*) when the blind is hung and closed. The shaft attached to the bevel-wheel (*a*) will pass through the window casing or frame as represented in Fig. 1, and may be capped with a knob (*e*) of metal or other material.

When a blind thus constructed and fitted upon the outside of a window is closed, a person inside of the room by turning the knob (*e*) may regulate the position of the slats of the blinds and thus increase or diminish the quantity of light without inconvenience.

I do not claim the construction of the bevel-wheels or the movable joint as my invention, as they have been heretofore used and are old devices, nor do I wish to confine myself to the precise mechanical arrangement herein specified as slight alterations may be made therein without varying the principle of my invention.

What I claim is—

The combination of the bevel-wheels and the movable joint essentially in the manner and for the purposes herein described.

New Haven February 12, 1850.

DAVID R. WILLIAMS.

In presence of—
S. S. ELLIOTT,
WM. H. ELLIOT.