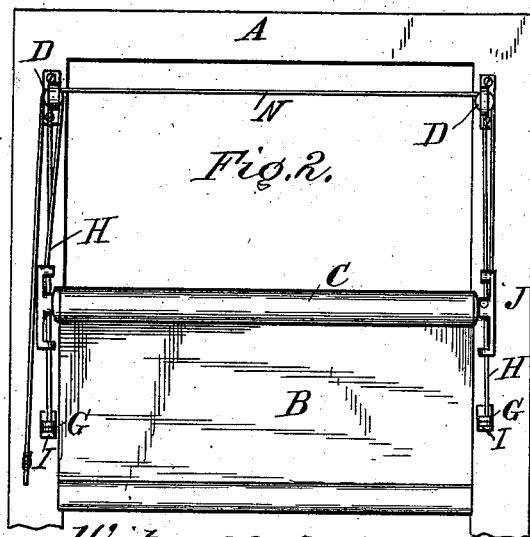
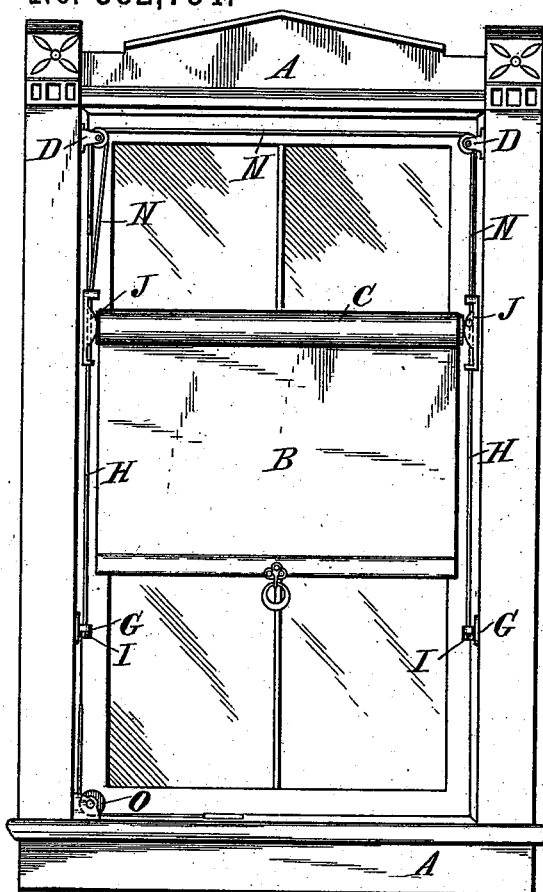


(No Model.)

D. W. WISE.  
WINDOW SHADE FIXTURE.

No. 382,784.

Patented May 15, 1888.



Witnesses.  
Saml. B. Dover.  
G. G. Jackson.

Fig. 1.

Fig. 5.

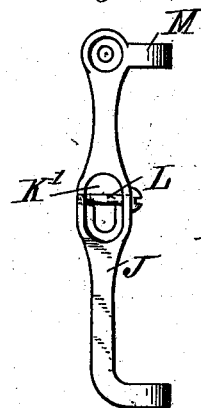


Fig. 3.

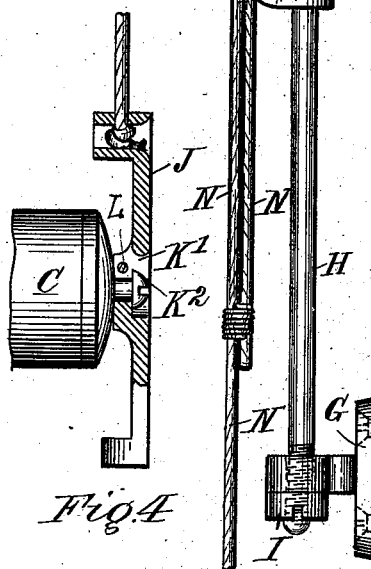


Fig. 4.

Inventor.  
Daniel W. Wise,  
By Francis M. Parker  
Att'y.

# UNITED STATES PATENT OFFICE.

DANIEL W. WISE, OF CHICAGO, ILLINOIS.

## WINDOW-SHADE FIXTURE.

SPECIFICATION forming part of Letters Patent No. 382,784, dated May 15, 1888.

Application filed November 20, 1886. Serial No. 219,452. (No model.)

*To all whom it may concern:*

Be it known that I, DANIEL W. WISE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Window-Shade Fixtures, of which the following is a specification.

My invention relates to window-shade fixtures such as are designed to permit the entire shade to be raised or lowered, as well as the shade to be rolled; and it has for its objects to provide a cheap and convenient means for so doing, and especially one which will keep the shade steady and firm at whatever point it may be situated. These objects I attain by means of the mechanism illustrated in the accompanying drawings, wherein—

Figure 1 is a front elevation of a window with my shade attached. Fig. 2 is a front view of a modification. Fig. 3 is a side view of one rod and set of parts. Fig. 4 is a part sectional detail view of one sliding support with one end of a shade-roller in position. Fig. 5 is a detail of same.

Like parts are indicated by the same letter in all the figures.

A is a window-frame; B, a window-shade hanging on the roller C.

D D are pulley-frames, which are placed in the upper corners of the window-frame, or, if on the outside, in the position shown in Fig. 2. They are secured to the frame by screws, and are cast with the flanges E E, as shown in Fig. 3. The pulley is such as is used on the inside of the frame; but when designed for use as in Fig. 1 the flange E is placed on the back side of the frame. This flange is provided with a screw-threaded hole, as at F. At a considerable distance below these pulley-frames there are secured to the window-frames the plates G G. Each is provided with an eye directly below the aperture F. Screw-rods H H are now inserted through the eye, screwed into the apertures F F, and then rigidly secured in place by the lock-nuts I I. Each rod has sliding upon it a shade-support, J. These supports have lugs at the top and bottom, each provided with an aperture to receive the rod. The support on one rod has a simple angular aperture, K, to receive the end of the

roller; but the other support has a recess or cavity, K', shaped, as shown in Figs. 4 and 5, so that the end of the roller which is provided with a button or head, K<sup>2</sup>, can be first inserted and then lowered into the cavity, so as to be kept securely in place. A transverse screw-bolt, L, is inserted above the end of the roller to keep the same in place. The object of this structure is to permit the insertion and removal of the roller without disturbing the rest of the fixture. At the upper end of each support is an eye, M. In this eye the end of a cord, N, is secured. This cord passes up over the pulley D, and one cord passes over both pulleys, as shown in Fig. 1. The two cords are then spliced and the end passed through a lock-pulley, O.

The use and operation of my invention are as follows: The parts are placed in position, as shown in Fig. 1. The roller can be easily removed by simply taking out the bolt L and raising and removing the head K<sup>2</sup>. The rods H H are made of such size as to be firm and steady, and the supports slide freely thereon. The nut I can be used at any time to tighten and secure the rod H. The shade rolls on its roller in the usual manner.

If it is desired to raise or lower the entire shade and roller, it can be done by drawing on the end of the cord N below the splice. This exerts pressure through the cords N over the pulleys D D to the ends of the roller and raises the same. It is locked in position by the lock-pulley O.

I am aware of the patent to Bull *et al.*, dated October 19, 1886, No. 351,308, and also patent to Wyatt, dated January 4, 1870, No. 98,654; also patent to Beers, dated October 10, 1882, No. 265,564, and I am familiar with the contents thereof. I disclaim whatever is shown, described, or claimed in any or all said patents; but what I do desire to claim is the combination of the specific features, as shown in the following claim, viz:

In a window-shade fixture, the combination of shade B and roller C, having button K<sup>2</sup>, with two shade-supports, J J, one provided with an aperture, K', and a pin, L, and both having arms with perforations to receive the rods H H and an aperture above to receive

the end of the cord, rods H H, pulley-brackets having pulleys over which the curtain-cords pass, and each a hole into which one rod H is received, plates G G, lock-nuts I I, the  
5 compound cord N, and lock-pulley O, all as  
and for the purpose set forth.

In testimony whereof I have hereunto set my

hand, this 17th day of November, A. D. 1886,  
in the presence of two witnesses.

DANIEL W. WISE.

Witnesses:

FRANCIS W. PARKER,  
G. G. JACKSON.