No. 863,573. PATENTED AUG. 13, 1907.

J. McCORD.

WINDOW BLIND.

APPLICATION FILED JAN. 16, 1907.

Fig. 1.

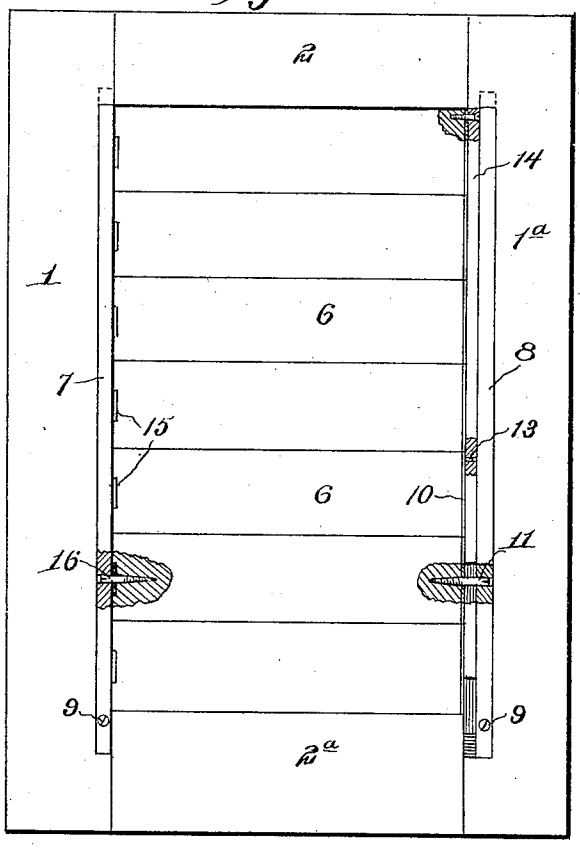


Fig. 2.

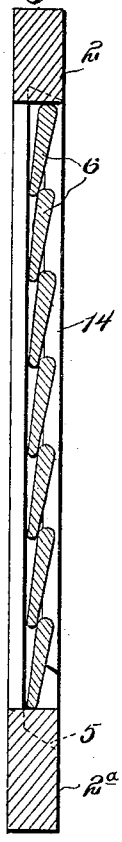


Fig. 3.

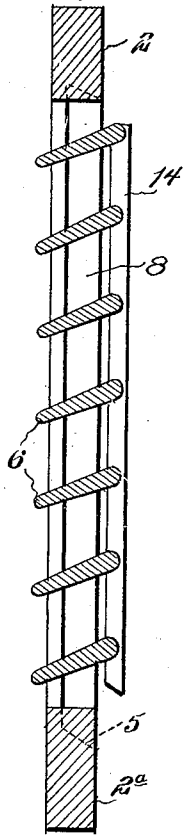


Fig. 4.

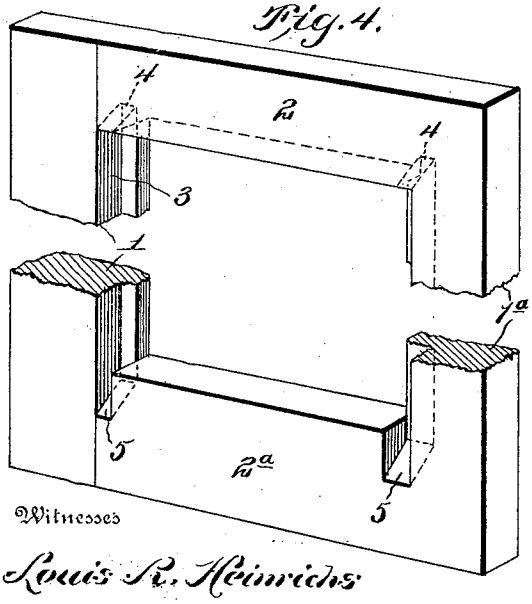


Fig. 5.

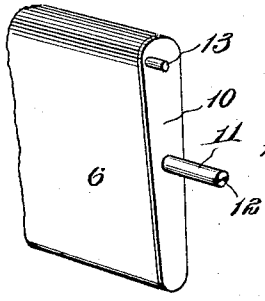
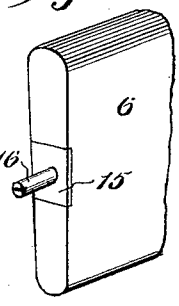


Fig. 6.



Witnesses

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WINDOW-BLIND.

No. 863,573. Specification of Letters Patent. Patented Aug. 13, 1907.

Application filed January 16, 1907. Serial No. 352,552.

To all whom it may concern:

Be it known that I, JAMES McCORD, a citizen of the United States of America, residing at Newburgh, in the county of Orange and State of New York, have invented new and useful Improvements in Window-Blinds, of which the following is a specification.

This invention relates to window blinds, and one of the principal objects of the same is to provide improved means for pivoting the slats within a detachable frame which can be readily attached to the ordinary blind frame, thus forming a double frame, the inner one of which carries the slats and is removable so that an ordinary sash or closure may be substituted therefor for winter use.

Another object of the invention is to provide means whereby any of the slats may be removed and replaced by others in case of injury to one of the slats.

These and other objects may be attained by means of the construction illustrated in the accompanying drawings, in which:

Figure 1 is a front elevation of a window blind made in accordance with my invention. Fig. 2 is a vertical section of the same showing the slat closed. Fig. 3 is a similar view showing the slats open. Fig. 4 is a detail perspective view of the blind frame, parts being broken away. Fig. 5 is a detail perspective view of one end of one of the slats. Fig. 6 is a similar view of the other end of the slat.

Referring to the drawings for a more particular description of my invention, the numeral 1 designates one of the uprights of a blind frame and 1^a designates the other, said uprights being connected by cross bars 2, 2^a. In the upright 1 a recess 3 is provided, said recess having beveled end portions 4, 5. In the upright 1^a a similar recess is formed. The slats 6 are secured to a separate frame comprising the strip 7 and the strip 8 which are detachably connected to the blind frame by means of screws 9, said strips fitting in the recesses 3 in the opposite sides of said frame. Each of the slats 6 is provided with a plate 10 upon one end having a threaded tenon 11 passing through said plate and connected to the blind slat, a groove 12 being formed in the tenon 11 to attach the same to the slat. A stud 13 projects from the plate 10 and pivotally connected with these studs is an operating strip 14, said strip normally lying flush with the blind frame when the blinds are closed, said strip 14 lying at the side of the frame strip 8, as shown in Fig. 1. Upon the opposite end of the slat 6 is a plate 15 provided with a tenon 16 of similar construction to the one 11 already described.

From the foregoing it will be obvious that the frame consisting of the strips 7 and 8 to which the blind slats are pivoted, can be readily removed from the blind frame by removing the screws 9. Any of the slats may be quickly removed and replaced by others in case of breakage. When the blind slats are closed the strip 14 lies flush with the blind frame.

It will be seen that the invention provides a window blind embodying a double frame, the inner one of which carries the slats and is removable, so that an ordinary glass-paned sash or an inner frame of any type desired to close the opening in the outer frame may be substituted for said inner frame for use in winter or during inclement weather.

Having thus described the invention, what I claim is:

1. A window blind comprising a frame, side strips fitted in recesses in the frame and lying flush therewith, slats pivotally connected to said strips, said slats each having a plate secured to one end thereof, a tenon passing through said plate and provided with a threaded end for connection to the slat, a stud projecting from said plate, and an operating strip pivotally connected to said studs, substantially as described.

2. A window blind comprising a frame, side strips detachably fitted in recesses in said frame, slats pivotally connected to said strips, a plate fitted to one of the ends of said slats, tenons fitted through each of said plates, said tenons having threaded ends to engage the slats, a stud projecting from each plate, plates secured to the opposite end of the slats and provided with tenons having threaded ends engaging the slats, and an operating strip pivotally connected to said studs and adapted to lie flush with the face of the frame when the slats are closed, substantially as described.

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

JAMES McCORD.

Witnesses:
C. C. HINES,
K. ALLEN.