

C. H. Warner,
Window Shutter,
No 76,855 *Patented Apr. 14, 1868.*

Fig. 1.

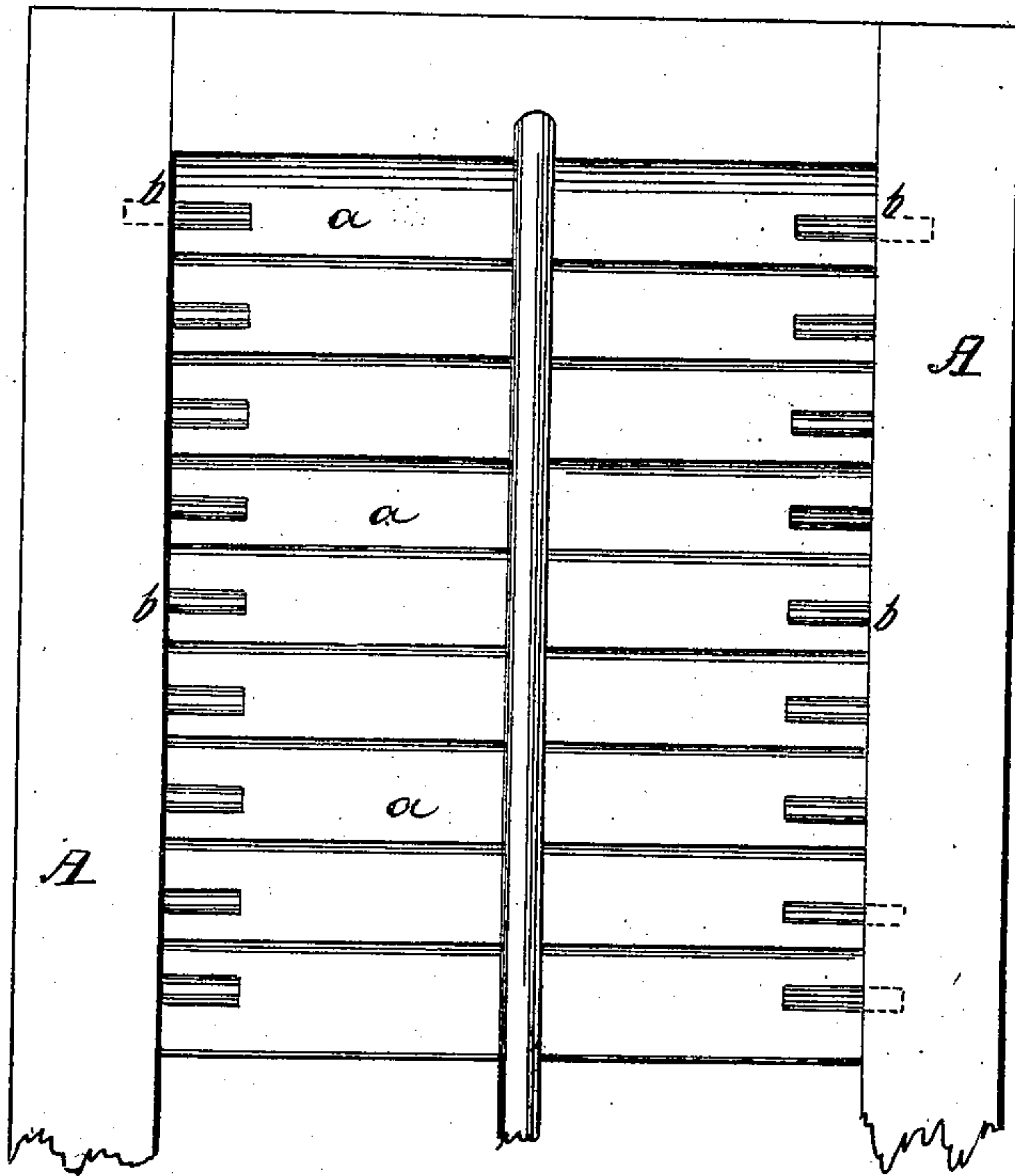


Fig. 2



Witnesses

R. F. Hyde
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Inventor

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United States Patent Office.

CHARLES H. WARNER, OF PITTSFIELD, MASSACHUSETTS.

Letters Patent No. 76,855, dated April 14, 1868.

IMPROVEMENT IN WINDOW-BLINDS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES H. WARNER, of Pittsfield, Berkshire county, Commonwealth of Massachusetts, have invented a new and useful Improvement in Blinds; and I do hereby declare that the following is a full and clear description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon. In the drawings—

Figure 1 represents a side view of my blind, and

Figure 2 an end view of one of the slats.

This invention consists of a new method of constructing the slats of the folding shutters commonly used, where all the slats are connected together by an upright rod, and are pivoted in the blind-frame so that they can be closed or opened at pleasure.

In my construction of these slats, *a a a*, &c., (see drawings,) I form all the tenons, *b b b*, &c., of metal tubes, which are driven in the ends of the slats sufficiently far to leave a proper length for a tenon to enter and work in the blind-frame A, and to secure a firm position in the end of the slat. These tubes may be, if necessary, slightly flattened upon the outer side of the part in the slat, so as to secure a firmer hold.

Formerly, these slats *a a*, &c., were formed with tenons cut out from the wood of the slat itself, and required considerable more work in forming them than is the case with my improved method.

Besides this, when the tenons were worn by the friction, they became loose, and required a new set of slats to take their places.

In my device, the tenon being made of metal, does not wear perceptibly, nor does it ever bind, as is sometimes the case with the wooden tenons when first put in, and it being a simple and cheap device, of easy manufacture, greatly improves the construction of the blind, and reduces its cost.

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

A blind, in which the tenons of the slats, *a a*, &c., are formed of tubes of metal, *b b*, &c., inserted into the ends of the slats, substantially as herein shown.

CHARLES H. WARNER.

Witnesses:

E. M. Wood,

J. B. Scott.