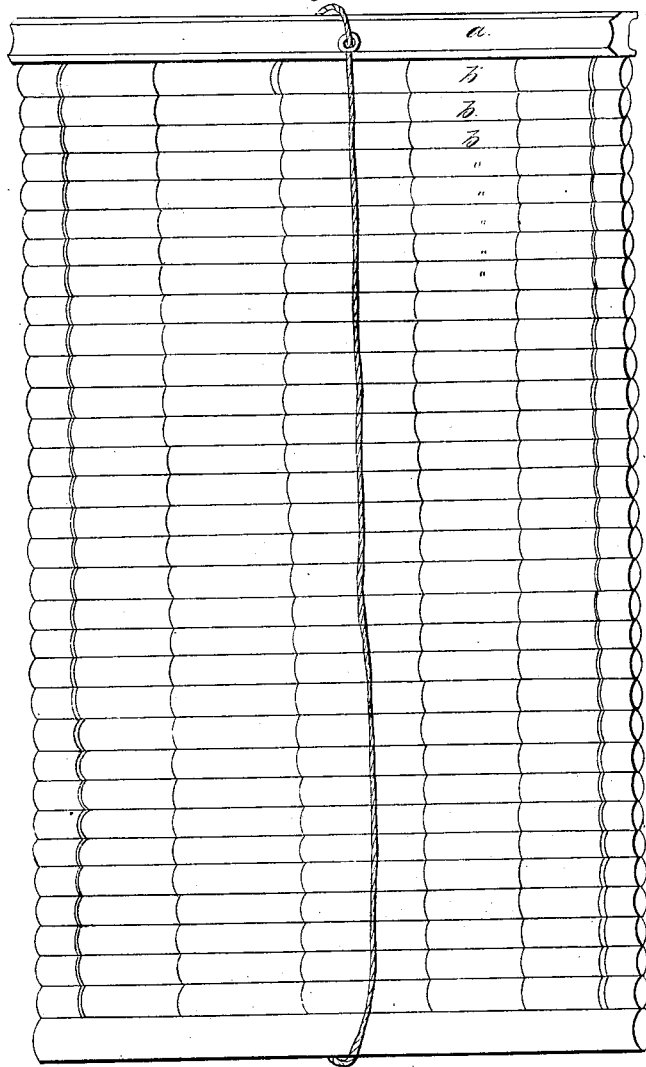


Ward & Wilson,

Inside Blinds,

N^o 51,501,

Patented Dec. 12, 1865.
Fig. 1.



Witnesses:
J. M. Holloway
L. B. Wilson

Inventors:
James W. Ward.
Stephen D. Wilson
by their attorney
Wm. Dennis

UNITED STATES PATENT OFFICE.

JAMES W. WARD AND STEPHEN D. WILSON, OF RICHMOND, INDIANA.

IMPROVED WINDOW-SHADE.

Specification forming part of Letters Patent No. **51,501**, dated December 12, 1865.

To all whom it may concern:

Be it known that we, JAMES W. WARD and STEPHEN D. WILSON, of Richmond, Wayne county, Indiana, have invented certain new and useful Improvements in Window-Shades; and we hereby declare the following to be a full, clear, and exact description of the same, reference being had to the drawing accompanying the same and forming a part of this application, and to the letters of reference thereon.

The nature of our invention consists in the construction of a window-shade in which the slats or strips composing the same, and which are woven together by a warp of twine or other suitable material, are, in their cross-section, of an oval or elliptical form.

In the drawing, Figure 1 represents a window-shade composed of oval or elliptical slats or strips.

To enable those skilled in the art to construct our improved window-shades, we will proceed to describe the same.

In Fig. 1 *a* represents the head-piece of the window-shade by which the shade is secured to the window-frame, and *b b b* the slats or strips of an oval or elliptical form longitudinally, and

woven together with a warp of twine or other suitable material of any desired length for a single curtain or shade, or it may be made in pieces of greater length for convenience in transportation, and from which shades can be cut of any required length.

Slats or strips of other forms than oval or elliptical may be used, in which the surfaces converge so as to form a clear, well-defined edge.

The advantage derived from the use of the slat or strip having the edge thus formed is in producing a closer, tighter shade, as well in the increased facility with which it may be rolled and unrolled.

Having thus fully described our said improvement, what we claim as new, is—

The construction of a window-shade, in which the slats or strips are formed of converging surfaces producing edges, as and for the purposes set forth.

JAMES W. WARD.
STEPHEN D. WILSON.

Witnesses:

WM. T. DENNIS,
JOEL STOVER.