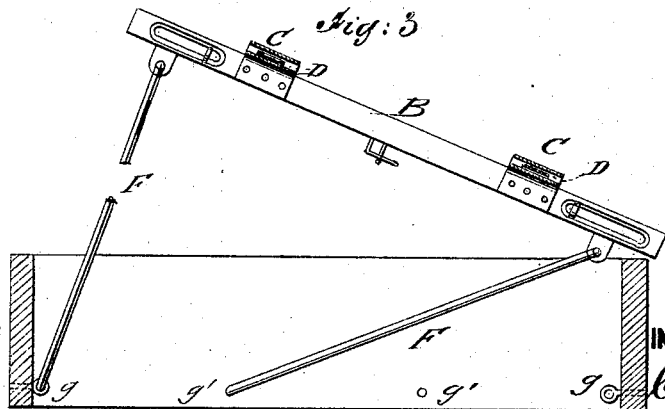
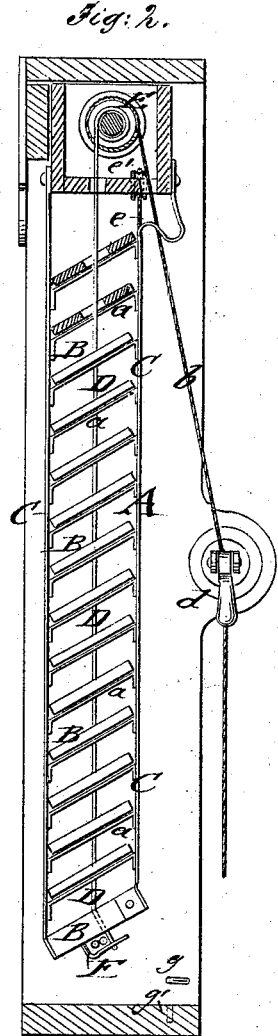
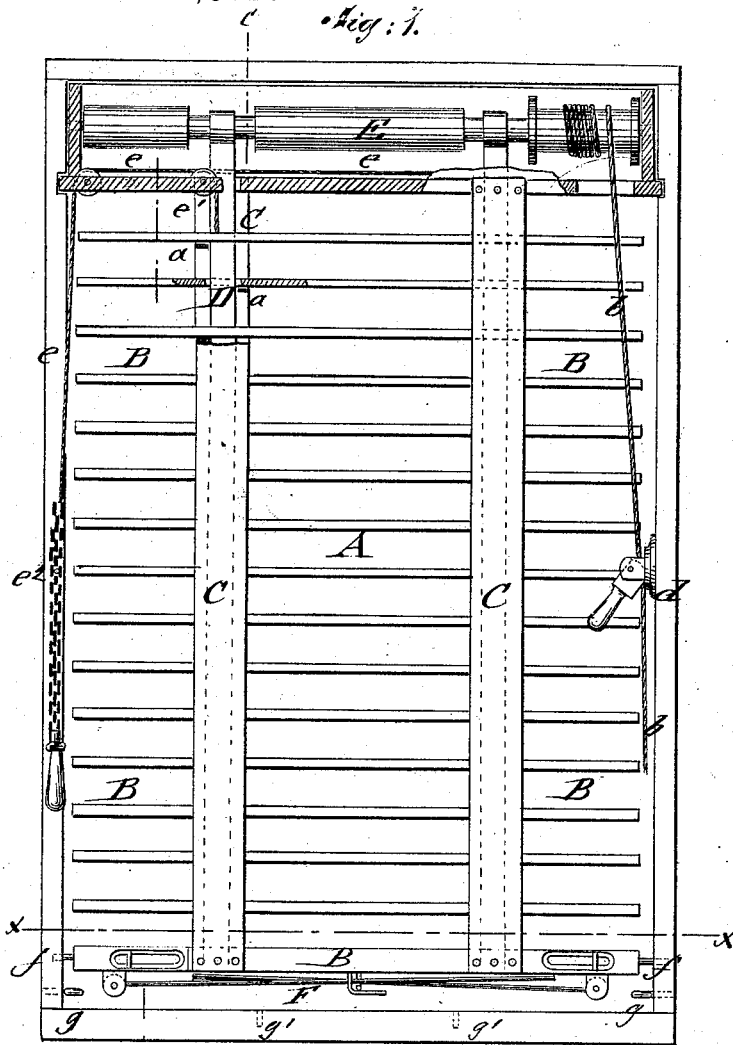


C. WIDEMANN.
VENETIAN SHADE.

No. 169,502.

Patented Nov. 2, 1875.



WITNESSES:
Chas. Nida.
Alex. F. Roberts

INVENTOR:
C. Widemann
BY
[Signature]
ATTORNEYS.

UNITED STATES PATENT OFFICE

CHARLES WIDEMANN, OF NEW YORK, N. Y.

IMPROVEMENT IN VENETIAN SHADES.

Specification forming part of Letters Patent No. **169,502**, dated November 2, 1875; application filed September 11, 1875.

To all whom it may concern:

Be it known that I, CHARLES WIDEMANN, of the city, county, and State of New York, have invented a new and Improved Venetian Shade, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a sectional front elevation of my improved Venetian shade; Fig. 2, an end view of the same, partly in vertical transverse section on the line *c c*, Fig. 1; and Fig. 3, a horizontal section of parts shown on the line *x x* of Fig. 1, but in a different position.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with drawing, and then pointed out in the claim.

In the drawing, A represents my improved Venetian shade, which is made of a number of slats, B, that are placed loosely on narrow lateral bands *a*, attached to supporting outer and inner main bands or straps C, of suitable width and strength. The slats B are slotted intermediately between the outer and inner straps, for the passage of bands D, which are attached to the bottom bar or slat B, of heavier size, and at the top to a roller, E.

When the shade is lowered the roller E winds up a cord, *b*, at one end of the same, which cord, by being pulled, raises the shade again and winds up the slat, raising bands D.

The cord *b* may be held at any point, to secure the shade at any suitable height, by a clamping device, *d*, applied to the side of the window-frame. A cord, *e*, at the opposite side, passes over suitable pulleys *e*¹ to the interior main straps, being fastened thereto, and hung by rings or a chain end to a pin, *e*², of the cas-

ing, for the purpose of holding the slats in any suitable position, either horizontal, inclined, or vertical, according as light, ventilation, or the entire closing of the slats is desired. The lower bar may be locked, by sliding bolts *f*, to the frame, to secure the shade in closed position.

The shade may be thrown to the outside, and supported in such position by hinged rods arranged in the nature of awning-rods, or by rods F, which are pivoted to the bottom of the lower slat, and secured by the free and bent ends in side staples *g*, or socket-holes *g*' of the window-sill.

By placing the end of one rod, F, into a side staple, and that of the other rod into the socket-hole nearest to it, an outwardly and side-wise inclined position of the shade is obtained, which protects against the sun, while supplying at the same time the required light and ventilation. The rods F may be attached, by a suitable fastening device, after use, to the under side of the bottom slat, to be raised and lowered with the shade. The shade is thus capable of being readily adjusted by the different devices into any desired position, and may be cheaply manufactured, as the connection of slats and bands is made in a simple, yet durable and reliable, manner.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The rods F, pivoted to bottom of lower slat, and fastening detachably in staples *g*, as and for the purpose described.

CHARLES WIDEMANN.

Witnesses:

JACOB HEIM,
PAUL GOEPEL.