

No. 691,603.

Patented Jan. 21, 1902.

R. G. COVENEY.
VENETIAN OR LIKE BLIND.

(Application filed June 10, 1901.)

(No Model.)

Fig. 1.

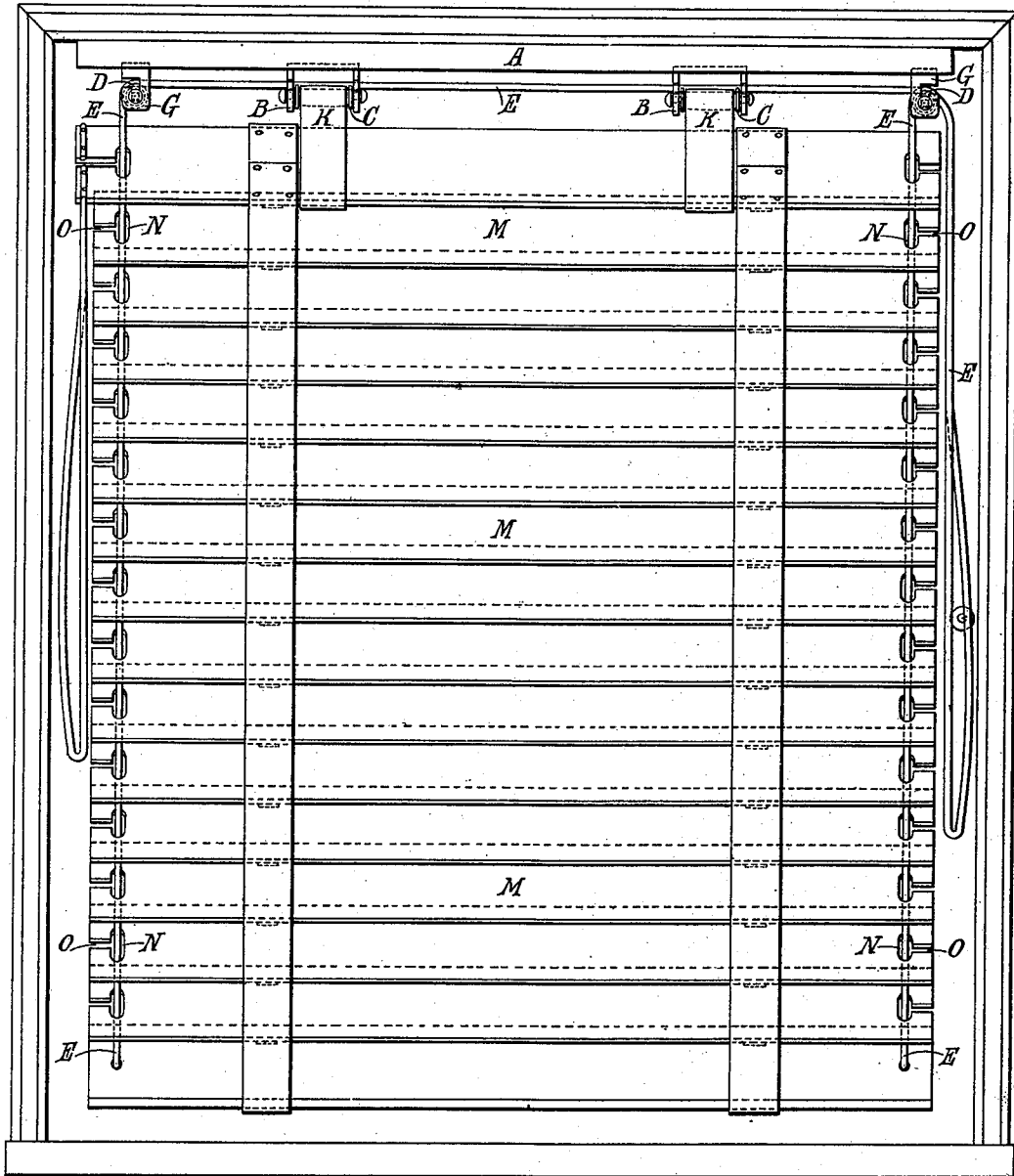


Fig. 2.

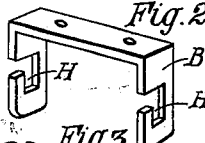
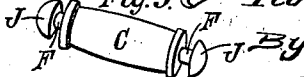


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

ROBERT GEO. COVENEY, OF COUNTY OF SURREY, ENGLAND.

VENETIAN OR LIKE BLIND.

SPECIFICATION forming part of Letters Patent No. 691,603, dated January 21, 1902.

Application filed June 10, 1901. Serial No. 63,923. (No model.)

To all whom it may concern:

Be it known that I, ROBERT GEORGE COVENEY, a subject of the King of Great Britain, residing in the county of Surrey, England, have invented certain new and useful Improvements in Venetian and Like Blinds, of which the following is a specification.

My invention relates to Venetian and like blinds, and is chiefly designed to enable such blinds to be very conveniently dismounted for cleaning, repairing, or like purposes and replaced.

According to one part of my said invention the laths, which may be of wood, as heretofore, or of aluminium or other light metal, instead of having slots adjacent to the tape ladders, through which the cords used for raising and lowering the blinds are threaded, are formed with transverse slots near their ends and with longitudinal slots leading from the ends into said transverse slots, the cords being passed through the said longitudinal slots into the transverse slots. By this construction each lath can be conveniently and rapidly removed and replaced without removal of the raising and lowering cords or disturbing the other laths, while at the same time the said laths will be securely held in position when the blind is being adjusted in use.

According to another part of my said invention I provide the fixed headpiece of the blind with slotted bearing-brackets adapted to receive and support the rollers, around which pass the strips of webbing that support the top movable lath of the blind in such a manner that the whole blind can be readily removed from the fixed headpiece by lifting the said rollers out of their bearings.

The guide pulleys or rollers for the raising and lowering cords are, moreover, arranged on the under side of the said fixed headpiece and are supported in slotted brackets in the same manner as the blind-supporting rollers, so that the said cords can be conveniently and readily removed and replaced without requiring the use of tools or of skilled labor.

Referring to the accompanying drawings, which illustrate my invention, Figure 1 is a front view of the blind shown lowered; and Figs. 2 and 3 are perspective views of one of

the slotted supporting-brackets and one of the rollers, respectively, drawn to a larger scale.

A is the fixed headpiece of the blind, to the under side of which are attached slotted brackets B B, in which rollers C C for carrying the blind are mounted. The said rollers are formed with necks F, (shown more clearly in Fig. 3,) adapted to enter the slots H of the supporting-brackets, and are preferably formed with heads J at their ends to facilitate the insertion and removal of the rollers in and from the brackets. The supporting-webbings K K, attached to the top movable lath of the blind, pass over and are suspended from the rollers C C, which rest in the slotted brackets B B, and thereby support the blind.

The laths M of the blind have near each end a transverse slot N and a longitudinal slot O, extending from the ends to the said transverse slots, so that the cords E for raising and lowering the blind can be passed into the slots N through the slots O without having to be threaded in the manner heretofore necessary. The said cords pass over guide-rollers D D, which are hung in brackets G G, similar in construction to those for supporting the webbings K K and attached also to the under side of the fixed headpiece. Since the rollers D D are arranged close to the end of the blind, a third guide-roller, such as is used in ordinary Venetian blinds, is not required. Such a guide-roller may, however, be used, if desired.

It will be seen that by my said invention the laths can be removed separately without removing the tape ladders, or the whole blind can be removed from the fixed headpiece in the simplest manner without the use of tools. An advantage of my improved construction of blinds is that when taking down or erecting the same some of the laths may be first removed from the tape ladders to reduce the weight.

By fixing a headpiece fitted with brackets B, as above described, outside a window the blind can be lifted from its position inside and hung outside the window, thereby preventing the sun striking direct onto the glass and keeping the temperature of the room much lower than would otherwise be the case. By fixing my improved brackets B

to the under side of the headpiece of an ordinary form of Venetian blind such blind can without further alteration be removed bodily from the slotted brackets and replaced as in the blind above described.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a Venetian blind, the combination of brackets each provided with a plurality of depending parallel arms having inverted-L-shaped slots in transverse alinement, the horizontal portions of the slots being open and said open ends facing the forward side of the blind, rollers having necks removably fitted in said slots and normally rotative in the vertical positions thereof, tapes suspended from the rollers, laths carried by the tapes, other brackets between which said first-mentioned brackets are located and having depending arms provided with inverted-L-shaped slots in alinement with each other, the horizontal portions of the slots in the re-

spective last-mentioned brackets being open and the open ends facing in opposite directions and outwardly and said last-mentioned brackets being disposed transversely to the other brackets, rollers having necks carried in the vertical portions of the slots of said last-mentioned brackets, and elevating-cords for the last-mentioned rollers.

2. In a Venetian blind, a lath having a transverse slot therein formed near each end and straight longitudinal slots extending from the ends of the lath substantially midway thereof and extending substantially to the centers of the respective transverse slots.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ROBT. GEO. COVENY.

Witnesses:

GEORGE HARRISON,
CONRAD K. FAL REUSTEIN.