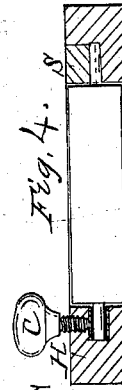
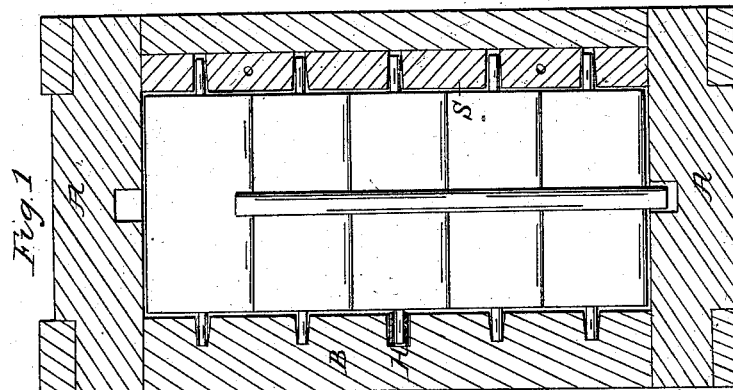
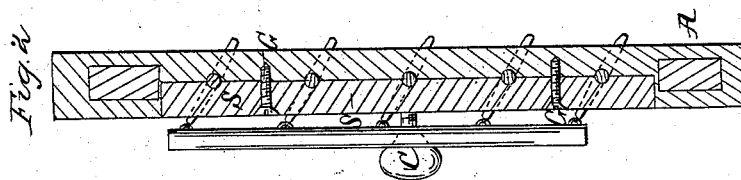
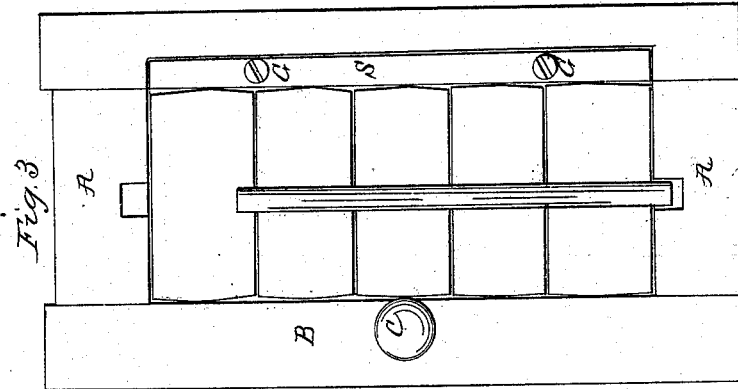


*A. Van Wageningen.*

*Blind Stop.*

*N<sup>o</sup> 48,116.*

*Patented June 6, 1865.*



*Witnesses:*

*H. Haupt*  
*Jos. L. Coombs*

*Inventor.*  
*Albert Van Wageningen*  
*by*  
*A. B. Hook*  
*Att'y.*

# UNITED STATES PATENT OFFICE.

ALBERT VAN WAGENEN, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN WINDOW-BLINDS.

Specification forming part of Letters Patent No. 48,116, dated June 6, 1865.

*To all whom it may concern:*

Be it known that I, ALBERT VAN WAGENEN, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Window-Blinds; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a sectional view of a blind constructed in accordance with this my invention, the plane of section passing through the orifices or sockets of the slats. Fig. 2 is another sectional elevation of the same, the plane of section being at right angles to the former, and passing through the center of the filling-stick S. Fig. 3 is a front elevation, and Fig. 4 a horizontal section through the plane of section passing through the two sockets of the slat.

The object of this invention is twofold: first, the construction of a blind so as to admit of the ready removal of the slats without dismembering the frame; second, the adjustability of the slats and maintaining them immovably in any position or at any given inclination.

I have accomplished the object of my invention by constructing window-blinds in the manner as follows: The frame A is made in the usual manner, and consists of side and traverse pieces, which are united together by tenon and mortise joint. One of the side pieces, B, is provided with the ordinary apertures or sockets for the insertion therein of the pins or ends of the slats, while the other and opposite side piece is composed of two pieces, being divided along the apertures—i. e., by a plane parallel to the face of the blind, but passing through the orifices or sockets of the slats. One of the pieces is made detachable or removable, while the other is permanently secured to the traverse pieces, and constitutes part of the frame.

In the accompanying drawings, the removable portion, or "filling stick," S, as I term it, extends in width to the depth of the sockets, so that but a small portion of the side piece is made removable. To remove the slats

from or replace them into the frame, it is only necessary to detach the filling-stick, when the slats may be taken out from or inserted into the sockets or apertures of the opposite side piece. The stick is held in place by means of screws G or by any other equivalent means.

The advantages of this mode of constructing window-blinds over that heretofore in use consist in the ease and cheapness with which repairs may be made in the blind in case any of the slats become broken, also with which the same may be painted or cleaned. The slats, which are adjustable so as to admit of any given inclination upon their axes of suspension, are rendered immovable or fixed in any given position by a set-screw, C, provided on the outside, for convenience of operation, with a knob or handle. This set-screw is arranged to impinge upon a thin metallic ferrule, H, surrounding one of the pins or pivots of the slats in its socket. By relieving the pressure on the ferrule by a slight turn, unscrewing the set-screw, the slats become loose and free to be adjusted in any position desired. The adjustment being effected, it is rendered fixed by turning the screw in the contrary direction, whereby the ferrule is compressed and caused to act like a brake on the pivot, preventing the slat from moving in either direction.

Having thus described my invention and the manner in which the same is or may be carried into effect, I claim—

1. The method herein described of constructing window-blinds so as to admit of the ready removal of the slats, in the manner and for the purpose set forth.

2. The method described of maintaining the slats of window-blinds at any given inclination with respect to the frame by the means and in the manner herein set forth.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

ALBERT VAN WAGENEN.

Witnesses:

A. W. ADAMS,  
J. H. MUNROE.