A. T. ELFORD.

Blind-Stops.

No. 158,634. Patented Jan. 12, 1875.

Fig. 1.

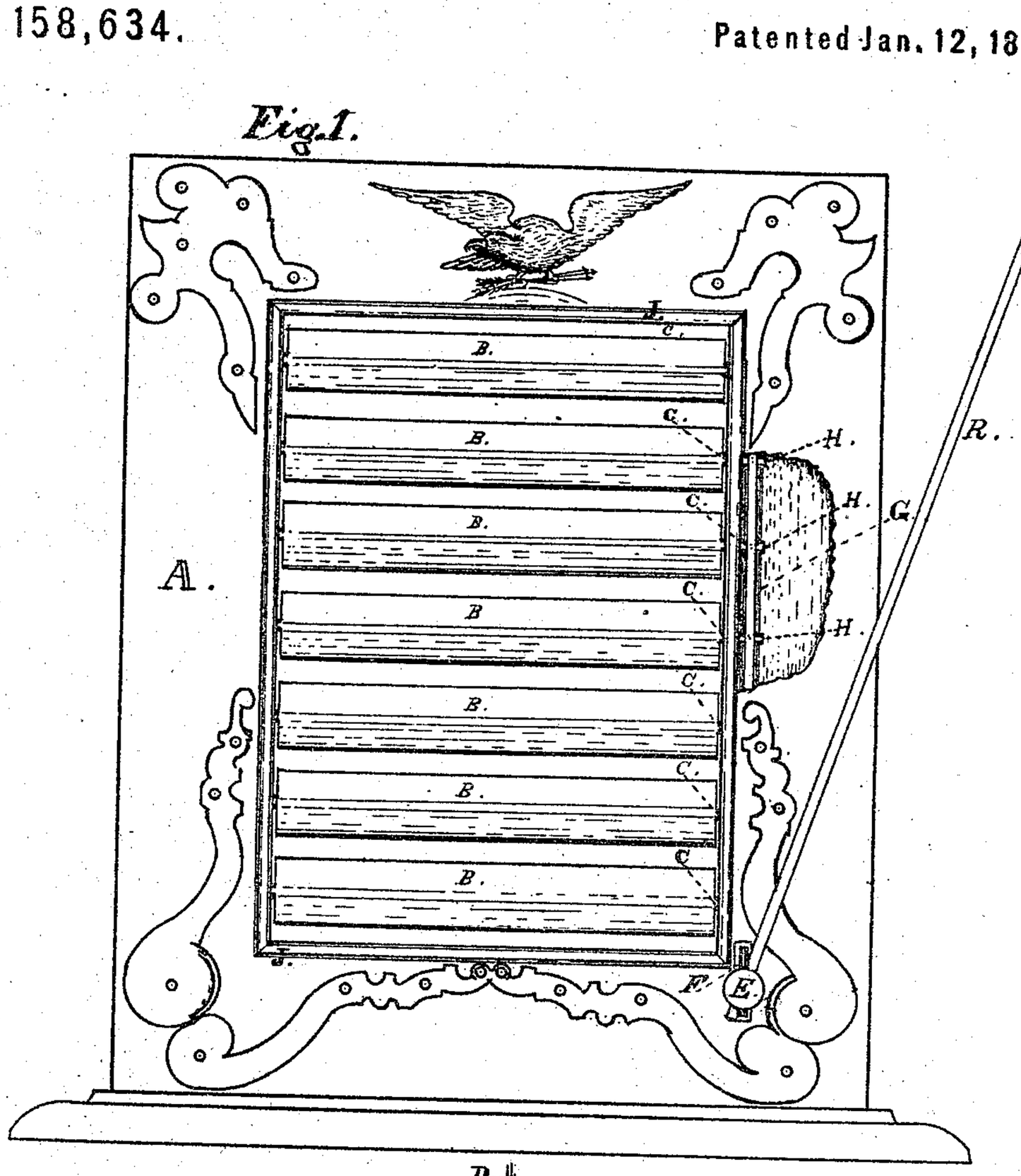


Fig. 2.

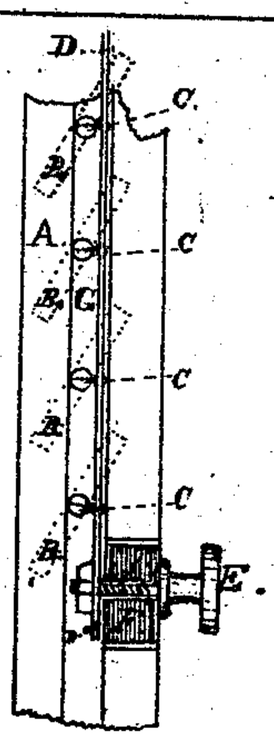
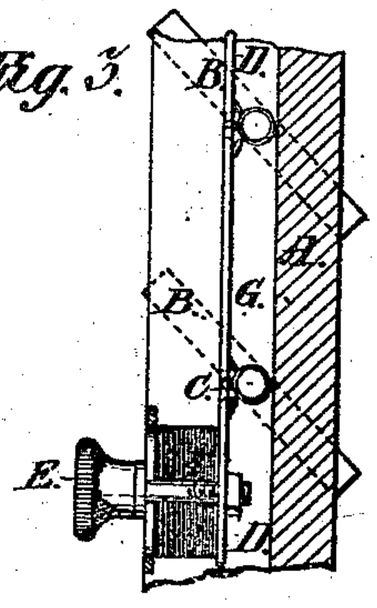


Fig. 3.



Attest
Edwin A. Wetherbee
John H. Redstone

Inventor.
Alfred. T. Elford

UNITED STATES PATENT OFFICE.

ALFRED T. ELFORD, OF OAKLAND, CALIFORNIA.

IMPROVEMENT IN BLIND-STOPS.

Specification forming part of Letters Patent No. **158,634**, dated January 12, 1875; application filed July 21, 1874.

To all whom it may concern:

Be it known that I, ALFRED TOWNSEND ELFORD, of Oakland, in the county of Alameda and State of California, have invented certain Improvements in Inside Blinds for Windows, of which the following is a specification:

The object of my invention is to dispense with the attachment of rods to the slats of blinds for the purpose of operating them; also, to form a lock to hold the slats in position, either open or closed.

My invention consists in a novel construction of inside blinds for windows by the combination of slats having long tenons or pins, side grooves, and sockets, with rod and lock-knob, combined and operated as will be hereinafter more fully explained, reference being had to the accompanying drawings, making part of this specification.

Figure 1 is a front elevation, showing a section of slatted blind, with a section cut out of the frame to show the tenons or pins upon the ends of the slats, and the connecting-rod to which they are attached, and by which they are operated. Fig. 2 is a section, showing the position of the end of the slats, and the manner of attaching the rod by which they are operated. Fig. 3 is an enlarged detail view in vertical cross-section.

A represents the frame; B, the slats; C, the tenons or pins; D, the rod designed to connect and operate them; E, the knob attached to the rod for the purpose of operating the same. F is an escutcheon or slot, through which the knob-stem passes for the purpose of attaching to the rod. The groove G is made in the side of the frame to receive the tenons or pins of the slats and the rod by which they are operated. H represents the sockets in which the ends of the tenons operate.

The following is the operation of the same: The bead-strip J, through which the tenons or pins pass, and which form the bearings on which the slats are pivoted, are attached by screws, and may be taken out for the purpose of taking the slats out, which may be done by unscrewing the knob E from the rod D, when the whole may be withdrawn from the groove G. The rod D is attached to the pins or tenons C, like the attachment of the rods to the slats, in the ordinary mode, where the attachment is made to the edge of the same by means of small wire staples. The ends of the pins C have a small ring or ferrule to hold them from splitting, and to form a journal, and operate in the sockets H. The knob E is attached to the rod D by means of a screw-thread, and when the slats are adjusted, as required, the screw is operated by turning the knob and setting it first, and locking the slats in position.

When the slats are required to be opened, closed, or adjusted, the knob E is turned back, freeing the rod D, and, the knob being moved up or down, the slats are opened or closed at will.

The rod R is designed to connect the rods of an upper and lower section of blinds when deemed advisable.

It will be seen that the tenons C are made longer than those of the ordinary slat, for the purpose of receiving the attachment of the rod D, and to operate in the sockets H.

The advantages of my invention are, that all outside attachment of rods to the slats is dispensed with, leaving the surface smooth for varnishing, and giving a much handsomer finish to the blind; and in the increased facility of locking slats in any desired position of opening or closing, or at any angle of inclination.

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

The slats B, having long tenons C, in combination with the side grooves G and sockets H, when the same are operated by means of the rod D, to which rod the tenons are attached by blind-staples, and by the lock-knob E, or its equivalent, all constructed, arranged, and operating substantially as described and shown, for the purposes set forth.

ALFRED T. ELFORD.

Witnesses:

SETH H. WETHERBEE,

JOHN H. REDSTONE.