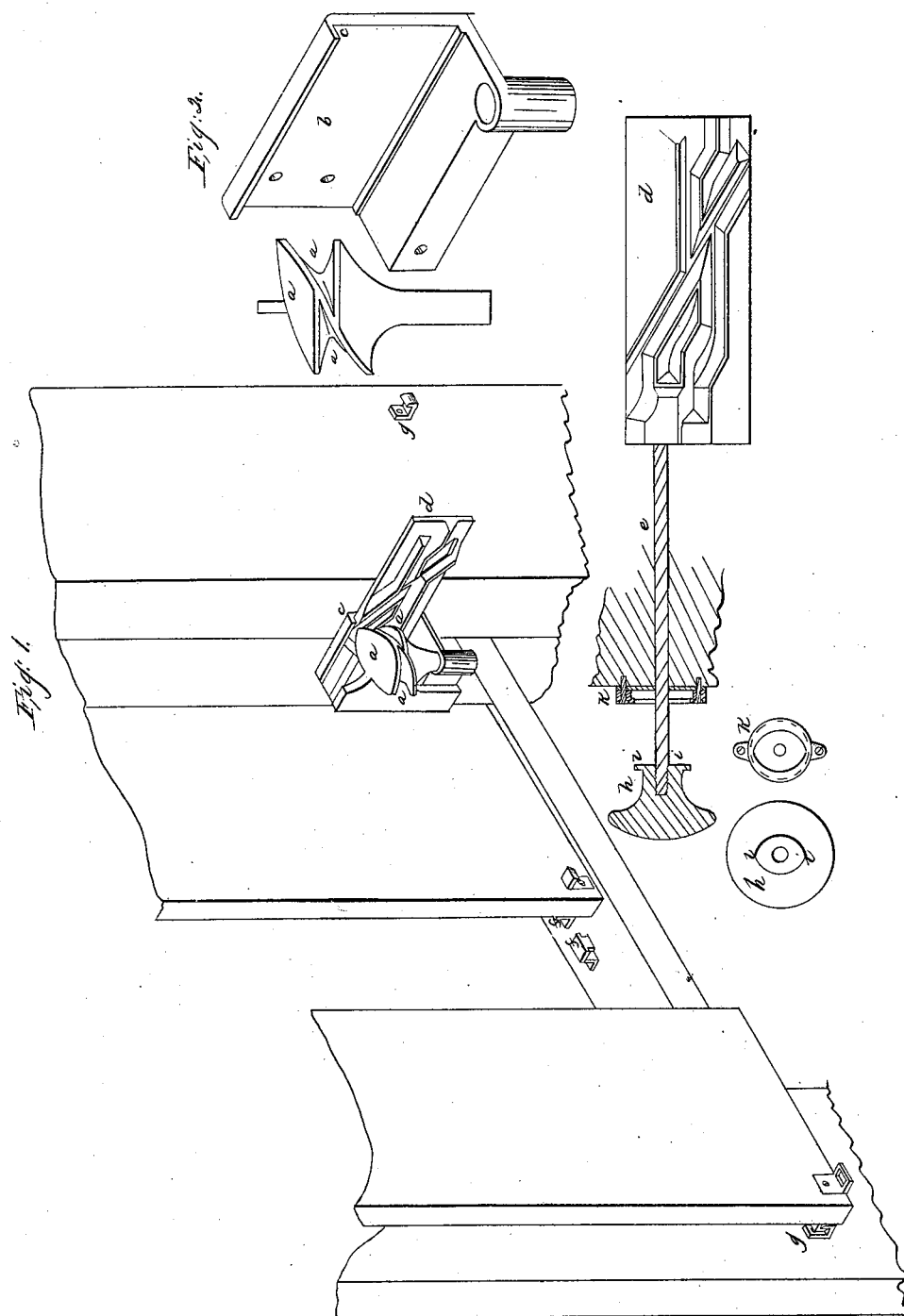


*W. Allen, Jr.,*  
*Shutter Worker.*

*N<sup>o</sup> 5,497.*

*Patented Apr. 4, 1848.*



# UNITED STATES PATENT OFFICE.

WILLIAM ALLEN, JR., OF MERIDEN, CONNECTICUT.

## OPERATING AND FASTENING WINDOW-BLINDS.

Specification of Letters Patent No. 5,497, dated April 4, 1848.

*To all whom it may concern:*

Be it known that I, WILLIAM ALLEN, JR., of Meriden, in the county of New Haven and State of Connecticut, have invented new and useful Improvements in Hinges for Opening and Closing Outside Blinds; and that the following is a full, clear, and exact description of the principle or character which distinguishes them from all other things before known, and of the manner of making, constructing, and using the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a representation of the blinds and hinges attached; Fig. 2, represents the detached parts of the hinge.

The same letters indicate like parts in all the figures.

The nature of my improvements consists in constructing the hinge in such a manner that the blind will be opened and closed from the inside without opening the window, and fastening it either open or shut, in which latter position the blind is secured against being opened from the outside.

The construction is as follows: The upper half of the hinge or that which is affixed to the blind is furnished at the joint with an enlargement (*a*) made semicylindrical and concentric with the joint; on the face of this semicylindrical projection are cut oblique grooves as clearly shown in Fig. 2 (*a*), the surface between the grooves consisting of two threads that converge toward each other from either end of the segment. The other half of the hinge has a flat plate (*b*) cast on to it that stands out behind and parallel with the joint of the hinge; a groove or recess (*c*) is formed in this piece and in it a plate or rack (*d*) is fitted to slide; this latter named plate has a rod (*e*) attached to its inner end that passes through the window casing by which the plate (*d*) is made to slide out and in. This plate has its sur-

face that is next to the projection (*a*) above named cut so that the parts which stand out on the surface of (*a*) shall fit into indentations on said plate (*e*), these indentations being so formed (as clearly shown in Fig. 2 at (*d*)) that by its motion inward when the blind is to be opened it will cause the blind to drop and be relieved from its catch (*f*) on the window-sill, and then swing back against the house, and then drop again, which latter motion serves to fasten it back by the catch (*g*) on the wall of the house near the point of the blind. The catches are all plain hooks and are clearly illustrated in the drawing which forms a part of this description. On the inner end of the rod (*e*) that moves the plate (*d*) above described there is a knob (*h*), on the shank of which are radial projections (*i*), the rod passes through an escutcheon (*k*) affixed to the window casing, the hole in which is so shaped as to receive said projections (*i*), so that when the rod is pushed clear up and these projections enter the escutcheon by turning the knob partly around it will be fastened and the blind securely bolted.

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

1. Constructing the hinge substantially as herein described, so that the blind can be opened and closed from the inside without opening the window and at the same operation be fastened at the side opposite the hinge.

2. And I wish it to be understood that I do not claim raising the blind or letting it fall to fasten it, nor do I claim opening or closing the blind from the inside when either of these plans are used independently, but the so arranging the parts as to combine the devices I believe to be new.

WM. ALLEN, JR.

Witnesses:

ELIZABETH ANDREWS,  
BENAJAH ANDREWS.