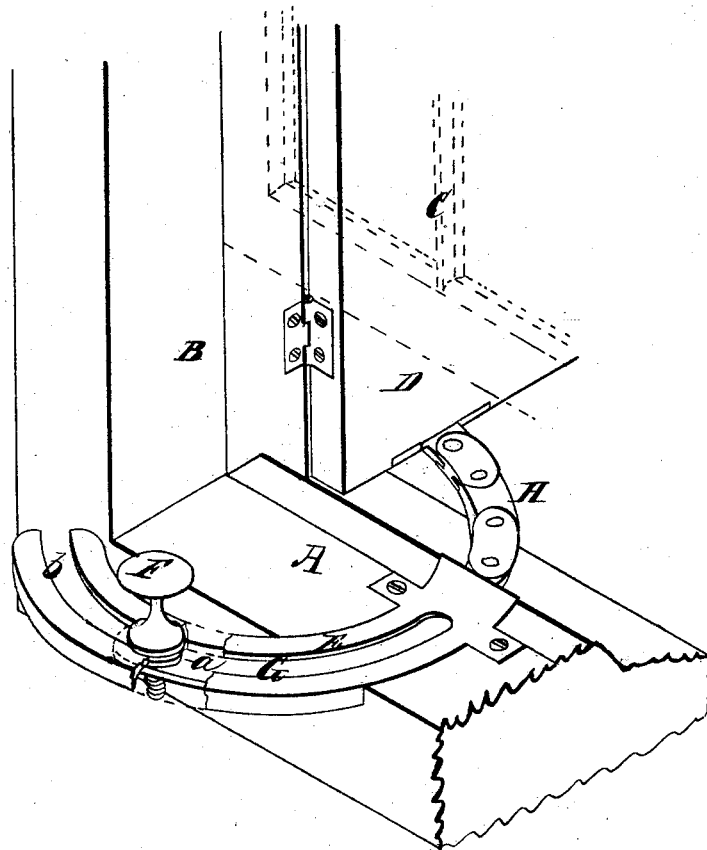


*R. B. Rollf,*  
*Shutter Worker.*  
*N<sup>o</sup> 6,347.      Patented Apr. 17, 1849.*



# UNITED STATES PATENT OFFICE.

R. B. ROLLÉ, OF CINCINNATI, OHIO.

## CURVILINEAR BLIND OPENER AND SHUTTER.

Specification of Letters Patent No. 6,347, dated April 17, 1849.

*To all whom it may concern:*

Be it known that I, ROBT. B. ROLLÉ, of Cincinnati, Hamilton county, Ohio, have invented new and useful Improvements in Window-Blind Fasteners and Openers; and I do hereby declare the following to be a full, clear, and exact description of the nature, operation, and construction of the same, reference being had to the annexed drawings, making a part of this specification in which the improved quadrant opener and fastener is shown in isometrical perspective.

It is notorious that many attempts have been essayed to operate by mechanism from within the house, and without raising the sash, the shutter or blind. Contrivances exhibiting much ingenuity have been devised, but all of them with which I am acquainted, are so loaded down with radical and practical defects, that after a few trials they are generally abandoned. Aware of these facts, and somewhat experienced in such matters, I have essayed an arrangement of the quadrant, for the purpose of opening, shutting or fastening in any desired position, the window blind without the necessity of raising the sash, the nature of my invention consisting, in connecting the blind to the screw handle by which the blind is opened, shut or fastened at any desired angle by means of a slide bar or rod curved in the arc of a circle part of which bar to an extent of two thirds—more or less—of its quadrant casing—is formed of a curve to suit the quadrant casing and of fixed and unyielding material the remaining one third being made of suitably shaped links, having sufficient play, the one on the other, to take a direct line between the outside opening of the quadrant case and the point of attachment to the blind, be the blind held at what angle it may, thus enabling the quadrant slide and links, to be attached at a suitable distance from the axis of motion, and yet be close to the blind and window sill, when the blind is thrown entirely open, a desideratum, the non-attainment of which has hitherto caused the quadrant to be discarded by builders, as too unsightly and projecting (the casing in and the slide outside of the house) and devoid of that compactness requisite for such matters, which must

necessarily be at the same time useful and ornamental.

(A) is the window sill.

(B) is the jamb.

(C) is the sash (dotted).

(D) is the window blind.

(E) is the quadrant casing.

(F) is the screw handle, with a groove (a) in which the sides of the slot (b) in the quadrant casing play. The handle has a screw passing down through the fixed and unyielding portion of the slide (G) in which a female screw is made, and by the joint operation of the two enables a person to fasten the blind at any desired angle.

(H) are the links connecting the fixed and unyielding portion of the slide (G) to the blind (D). They are made of sufficient strength and neither too loose nor too unyielding, in order that they may be able to force out the blind against a strong wind, and also to be caused to lie close to the blind and sill, by retracting the handle until this object is effected.

I is the fixture attached to the blind, to which the contiguous link is jointed.

The casing can be sunk into the sill, so as to be flush with the upper surface thereof, on which the sash rests and thus be made compact and snug. The inner end of the quadrant casing can be made to branch up so as to perform the office of a neat curtain pin.

It is evident that the screw handle may be substituted by a wedge or cotter or any other clamp used for analogous purposes.

Having thus fully, clearly, and exactly described the nature, construction and operation of my invention I wish it to be distinctly understood that I do not claim opening and shutting window blinds by means of the quadrant as used in cabinet ware or otherwise, but

What I do claim as my invention and for which I ask Letters Patent, is,

To connecting a window blind, with a quadrant slide made partly firm and unyielding, and curved to suit a quadrant casing resting flush with the top of the window sill within the house, and partly of links jointed to suit and attached to the blind that by means of a handle grooved to play in a slot in the quadrant casing and

screw threaded where it passes through the  
slide, the blind can be thrown open and held  
at any angle and forced back against the  
wall, the links of the slide being made to lie  
5 close to the blind at the same time that they  
hold it firmly to the wall by a slight retro-  
grade movement of the handle and screwing

the handle and the slide part to the casing in  
the manner and for the purpose described.

R. B. ROLLF.

Teste:

THOS. G. CLINTON,  
G. H. KNIGHT.