

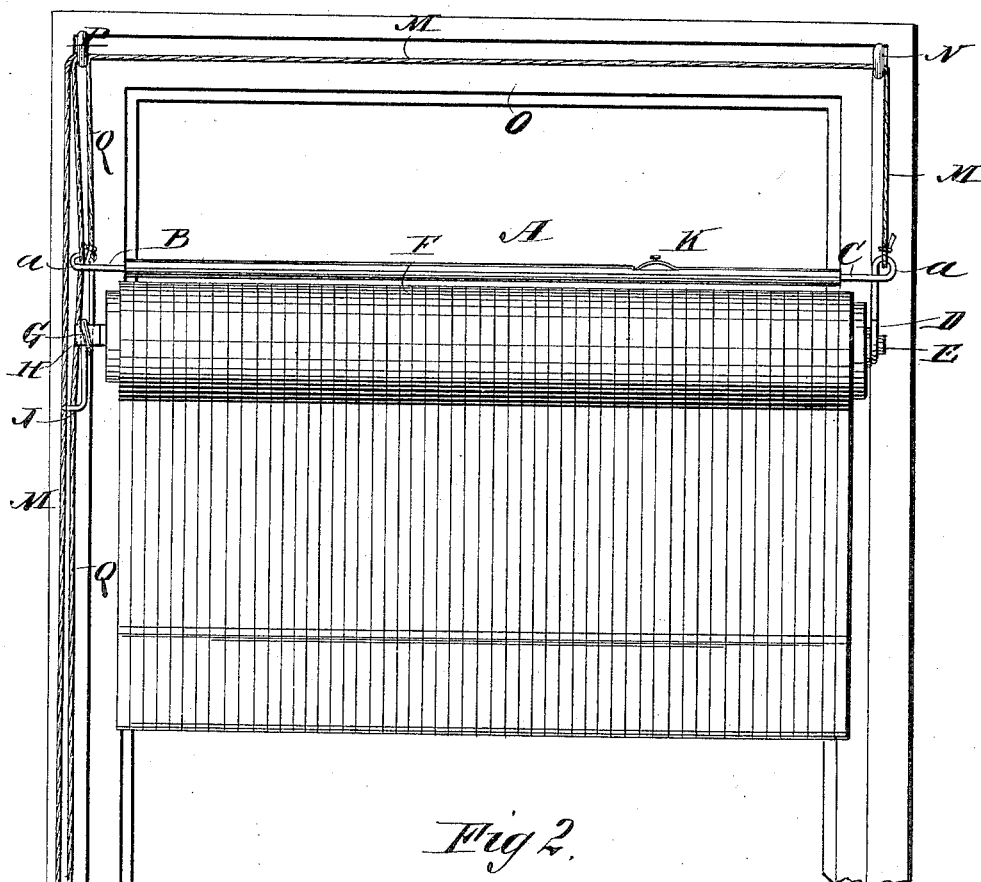
(No Model.)

I. M. FINK.  
SHADE HANGER.

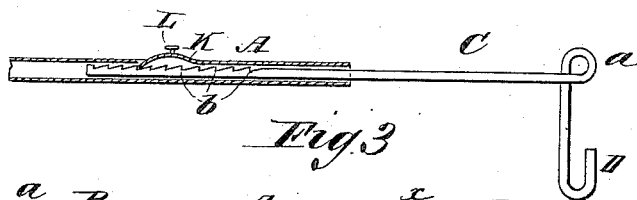
No. 306,233.

Patented Oct. 7, 1884.

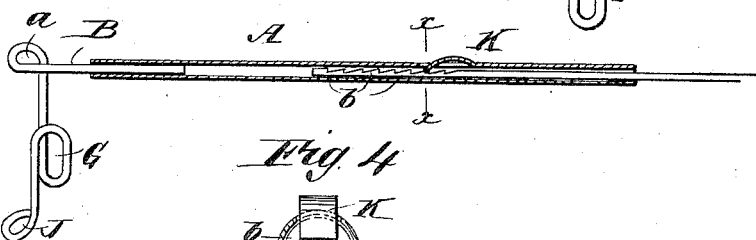
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*

WITNESSES:

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# UNITED STATES PATENT OFFICE.

ISAAC M. FINK, OF AKRON, OHIO.

## SHADE-HANGER.

SPECIFICATION forming part of Letters Patent No. 306,233, dated October 7, 1884.

Application filed August 1, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC M. FINK, of Akron, in the county of Summit and State of Ohio, have invented a new and Improved Shade-Hanger, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved shade-hanger which can easily and readily be adjusted for shade-rollers of different lengths.

The invention consists in the combination, with a tube, of wires held in the ends, and provided with eyes for hanging the tube and holding a shade-roller. One of the rods is provided with ratchet teeth on one side, and is adapted to engage with a spring-tongue formed on the tube.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a face view of my improved shade-hanger, showing the manner in which it is applied. Figs. 2 and 3 are longitudinal sectional elevations of the ends of the same. Fig. 4 is an enlarged cross-sectional elevation of the same on the line *x x*, Fig. 3.

The holder is formed of a tube, A, in the ends of which wires B and C are held, which have the outer ends bent down to form eyes *a*, and on the end of the downwardly-projecting part of the wire or rod C a hook-eye, D, is formed, adapted to receive the round pin E, projecting from one end of the shade-roller F.

On the downwardly-projecting part of the wire B an elongated eye, G, is formed for receiving the flattened pin H on the roller F, and below the eye G a guide-eye, J, is formed on the end of the wire B. A series of inclined or ratchet teeth, *b*, are cut in one side of the wire or rod C, the said teeth being inclined upward and toward the outer end of the said wire.

A spring pawl or tongue, K, is punched out of the tube A, and engages with the teeth *b* in that part of the wire C within the tube A. The spring tongue or pawl K may be provided with a button, L, for raising it. A cord, M, is secured to the eye *a* on the wire C, is passed through an eye or hook, N, on the window-casing O, is then passed through an eye or hook, P, on the other side of the casing, and from there passes down to a suit-

able fastening device. A cord, Q, is secured in the eye *a* of the wire B, is passed through the eye or hook P, and from there passes down with the cord M and through the eye J. By pulling on the cords M and Q, or by releasing them, the shade-roller can be raised or lowered at will uniformly at both ends. The hanger can be adjusted for shade-rollers of any desired length by pushing the wire C farther into the tube A, or withdrawing it. If the rod or wire C is pushed inward, its teeth *b* automatically catch on the spring tongue or pawl K, and thus the wire C is locked in place in the tube A. If the wire C is to be withdrawn to lengthen the hanger, the tongue K is raised to disengage it from the teeth *b*, or the wire or rod C is given a quarter turn, so that the end of the tongue K rests upon the smooth part of the wire, thus permitting of withdrawing it. If the wire is to be locked in place, it is turned back to engage the teeth with the spring tongue or pawl K.

The wire B is preferably secured permanently in the tube A. If desired, the pawl K may be riveted to the tube A.

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

1. In a shade-hanger, the combination, with a tube on which a pawl is provided, of a rod or wire inserted into the tube, and provided with ratchet-teeth with which the pawl engages, the said rod or wire being provided on its outer end with an eye or loop for receiving a pintle or pivot of a shade-roller, substantially as herein shown and described.

2. In a shade-hanger, the combination, with a tube on which a pawl is formed, of a rod or wire inserted in the tube, and provided with ratchet-teeth occupying a part of the circumference of the rod, with which teeth the pawl engages, substantially as herein shown and described.

3. In a shade-hanger, the combination, with the tube A, having a spring tongue or pawl, K, of the wire C, inserted in the tube, and having ratchet-teeth *b* and the hook or eye D, and of the wire B, held in the other end of the tube, and provided with the eyes G and J, substantially as herein shown and described.

Witnesses: ISAAC M. FINK.

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