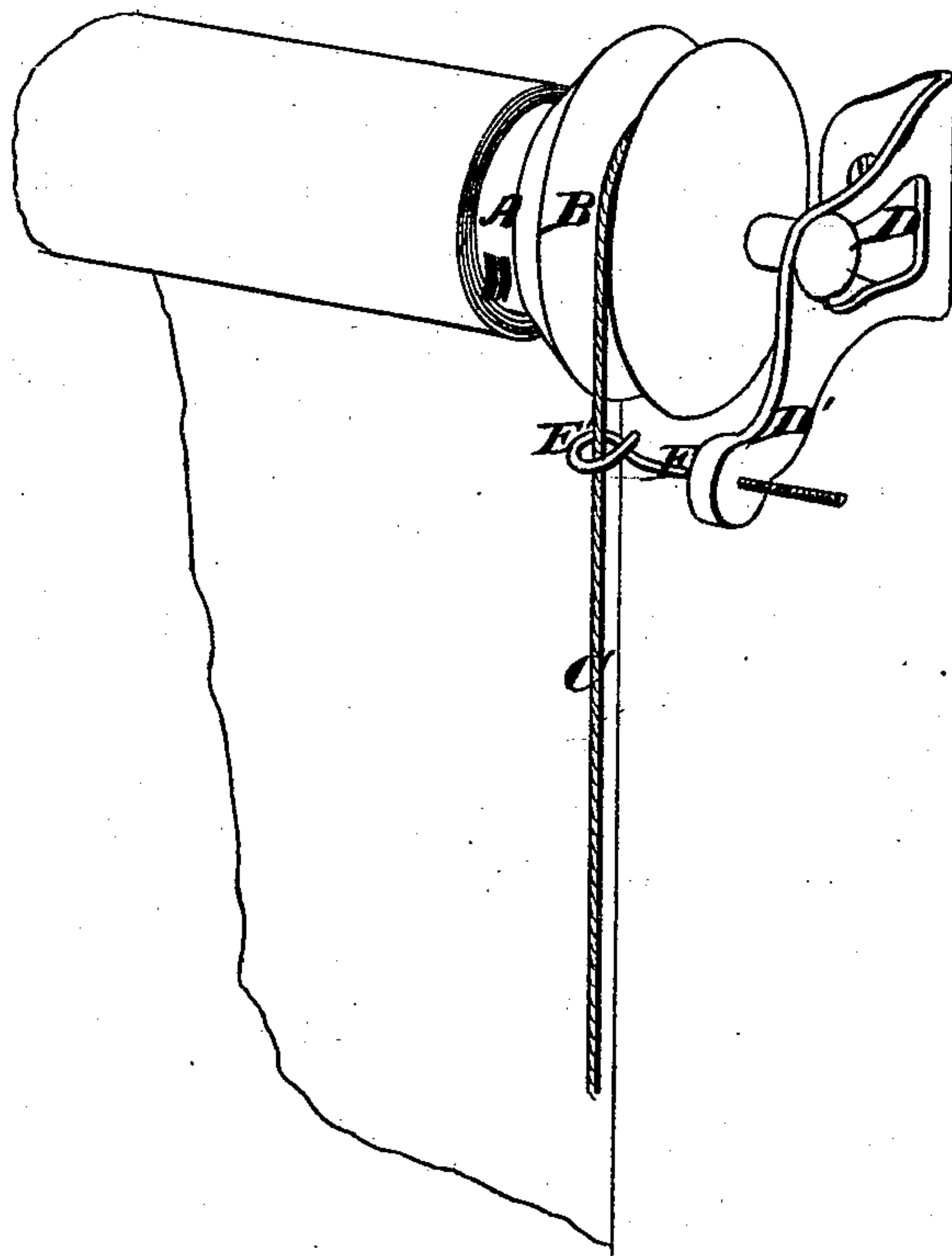


T. NOONAN.

CORD-GUIDES FOR CURTAIN ROLLERS.

No. 172,889.

Patented Feb. 1. 1876.



Witnesses.  
Sam<sup>l</sup>. M. Barton.  
A. E. Driscoll

Inventor  
T. Noonan.  
by his Attys.  
Canoll D. Wright & Brown.

# UNITED STATES PATENT OFFICE.

TIMOTHY NOONAN, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO M. R. GATELY AND TIMOTHY NOONAN.

## IMPROVEMENT IN CORD-GUIDES FOR CURTAIN-ROLLERS.

Specification forming part of Letters Patent No. **172,889**, dated February 1, 1876; application filed February 3, 1875.

*To all whom it may concern:*

Be it known that I, TIMOTHY NOONAN, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Curtain-Fixtures, of which the following is a specification:

In the accompanying drawing, to which reference is made, forming part of this specification, the figure represents a perspective view of my invention.

This invention has for its object to provide cheap and simple means for guiding the cord of a curtain-roller in such manner as to prevent said cord from slipping from the groove or grooved pulley on the end of the roller becoming entangled in the bearing, and thus rendering the curtain inoperative. To this end my invention consists in an eye or loop formed on the end of a threaded rod or stem, the latter being screwed into one of the brackets of a curtain-roller in such manner as to allow the cord to pass through its eye or loop, which is so located with reference to the groove in which the cord is wound as to guide the cord and keep it from slipping laterally out of the groove, as I will now proceed to describe.

In the drawings, A represents the curtain-roller, B the grooved pulley, C the cord, and D one of the brackets, these parts being of the usual construction, with the exception of the bracket, which is provided with an extension, D', having a tapped orifice in its end. E is a threaded rod or stem, adapted to be screwed into the tapped end of the extension D' in a position substantially parallel with the roller A. On one end of the rod E is a loop, E', preferably formed by bending the rod, as shown, although it may be formed by any suitable means. The loop E' is provided with an open portion, through which the cord may be slipped into said loop. The stem E is so

adjusted in the bracket as to cause the loop E' to project from the bracket as far as the groove B, and the cord C, passing through said loop, is guided thereby into the groove when the curtain is being pulled down, and out of it when the curtain is being rolled up.

It will thus be seen that the liability of the cord slipping laterally from the groove and becoming entangled between the end of the roller and the bracket, thus rendering the curtain inoperative, and often requiring the removal of the roller from the brackets, is entirely obviated by my neat and simple device.

The adjustability of the rod E, by screwing it into and out of the extension D', adapts the device to different styles of roller and curtain, and the open loop enables the cord to be readily inserted with removing the tassel.

The bracket D may be constructed in any suitable manner to receive the screw-rod E, and, if desired, the extension D' may be dispensed with, and the rod, bent so as to bring its loop into the proper position, may be screwed directly into the bracket.

I claim as my invention—

The threaded rod E, adjustable longitudinally of the curtain-roller, and having the open loop E', adapted to receive and guide the cord of a curtain, in combination with the bracket D, having the extension D', in which is a threaded orifice adapted to receive the threaded end of the rod E, substantially as and for the purposes specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

TIMOTHY NOONAN.

Witnesses:

C. F. BROWN,  
A. E. DENISON.