

*P. J. Shiras,*

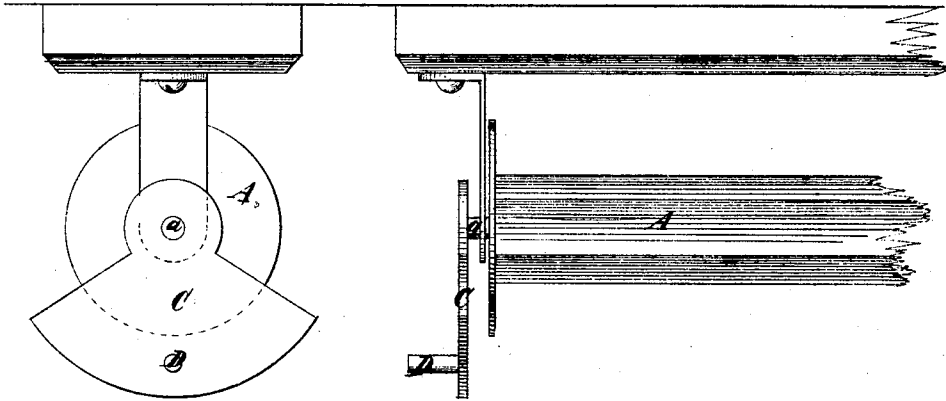
*Curtain Fixture.*

*No. 102326.*

*Patented Apr. 26. 1870.*

*Fig. 1.*

*Fig. 2.*



*Witnesses:*

*Fred. Haynes*

*W. Rabe*

*Peter J. Shiras*

# United States Patent Office.

PETER J. SHIRTS, OF HIGHLAND FALLS, NEW YORK.

Letters Patent No. 102,326, dated April 26, 1870.

## IMPROVED SHADE-ROLLER ATTACHMENT.

The Schedule referred to in these Letters Patent and making part of the same.

### To all whom it may concern:

Be it known that I, PETER J. SHIRTS, of Highland Falls, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Shade-roller Attachments, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification.

The object of my invention is to dispense with cords for operating shade-rollers. To this end,

It consists in a pendent weight, so attached to the end of one of the pivots or journals of the shade-roller, that it will counterbalance the weight of the shade for the purpose of holding it in any required position.

It also consists in a crank provided on the said counterbalance, for the purpose of enabling the roller to be turned by means of a rod or handle when it is desired to raise the shade.

In the accompanying drawing—

Figure 1 is an end view of a shade-roller with my invention applied, and

Figure 2 is a front view of the same.

Similar letters of reference indicate corresponding parts in both figures.

A is a shade-roller of ordinary construction, and *a* one of its pivots or journals.

C is a weight, which is firmly secured to the pivot *a*.

D is a wrist, inserted and firmly secured in the weight C to form a crank.

The weight C must be sufficiently heavy to enable it, when left free, to drop below the axis of the roller and counterbalance the weight of the shade, so that it may retain the shade in any position.

When it is desired to lower the shade, it is simply pulled down by taking hold of the lower part thereof, or of a tassel attached thereto.

When it is desired to raise the shade, a rod or handle, with an eye at the end, has its eye applied to the wrist D, and the said rod is so operated by hand as to make it turn the wrist, like a crank, in a proper direction to wind up the shade.

The shade may also be lowered, by the use of this handle, to turn the roller in the opposite direction to that in which it is turned for raising the shade.

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

1. The weight C, applied to one of the journals of a shade-roller, substantially as and for the purpose herein specified.

2. The wrist D, in combination with the weight C, to form a crank, substantially as and for the purpose herein set forth.

Witnesses:

FRED. HAYNES,  
R. E. RABEAU.

PETER J. SHIRTS.