

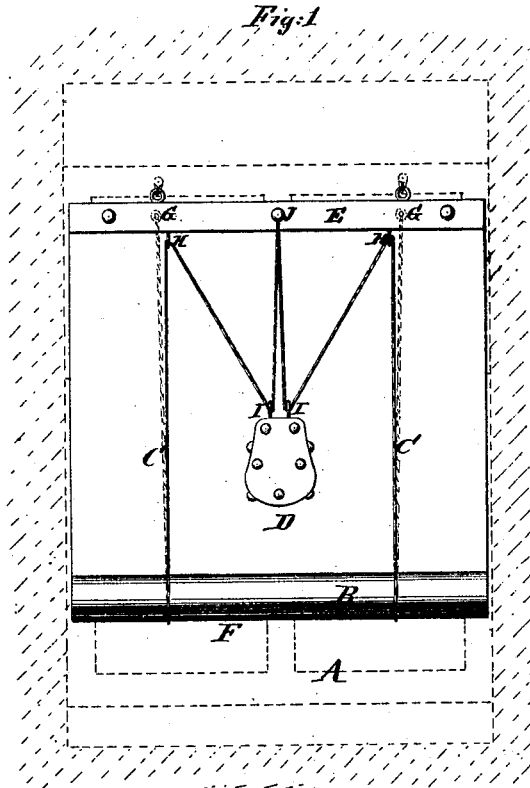
*T. G. Williams,*

*Curtain Fixture.*

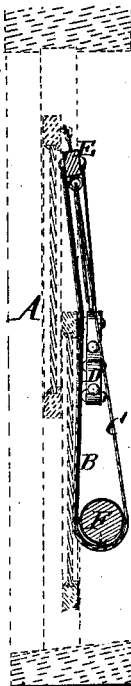
*No. 112,376.*

*Patented Mar. 21. 1871.*

*Fig. 1*



*Fig. 2.*



**Witnesses:**

*M. Vorländer*  
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**Inventor:**

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PER *Wm. S. C.*  
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# United States Patent Office.

THOMAS CHARLES WILLIAMS, OF EAST RANDOLPH, WISCONSIN.

Letters Patent No. 112,876, dated March 21, 1871.

## IMPROVEMENT IN WINDOW-CURTAIN FIXTURES.

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, THOMAS CHARLES WILLIAMS, of East Randolph, in the county of Dodge and State of Wisconsin, have invented a new and useful Improvement in Window-Curtain Fixtures; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention relates to window-curtain fixtures, and consists in a peculiar arrangement of the cords and balance-weight with respect to the curtain-roller and top slat.

In the accompanying drawing—

Figure 1 represents a front view of a curtain or shade suspended from a window according to my invention.

Figure 2 is an edge view of the same.

Similar letters of reference indicate corresponding parts.

A is the window.

B, the curtain or shade.

C C are two cords, by which the curtain is suspended.

D is the weight by which the curtain is balanced, which weight may be in the form of a tassel or in any other form.

E is a slat, to which the top of the curtain is attached.

F is the roller, to which the lower end of the curtain is attached.

The cords C C are attached to the slat E behind the curtain, as seen at G G, (in dotted lines.) From these points the cords are brought down under the

roller F and up in front of the curtain, and passed through the screw-eyes H H in the slat F; from thence down and through the eyes I I on the weight D, and then up to the slat, where they are fastened at the point J.

As the weight D is designed to just balance the curtain or shade, with the aid of the friction of the cord through the screw-eyes, it will be seen that as the weight is raised the curtain will be lowered, or the curtain will be raised or rolled up by pulling down the weight, and that the curtain will be held in any desired position by the weight.

By this arrangement the curtain may be attached to the upper sash of the window so that it will drop with the sash and not interfere with ventilation, as curtains do when attached in the usual manner to the casing.

Pulleys instead of screw-eyes may be used, but they would materially increase the expense of the fixture without improving it.

This is a cheap and durable mode for operating window-curtains or shades, and its advantages must be apparent to all.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The cords C C and balance-weight D, arranged in front of the curtain, and combined, as described, with the roller F and slat E, for the purpose specified.

THOS. C. WILLIAMS.

Witnesses:

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JOHN G. THOMAS.