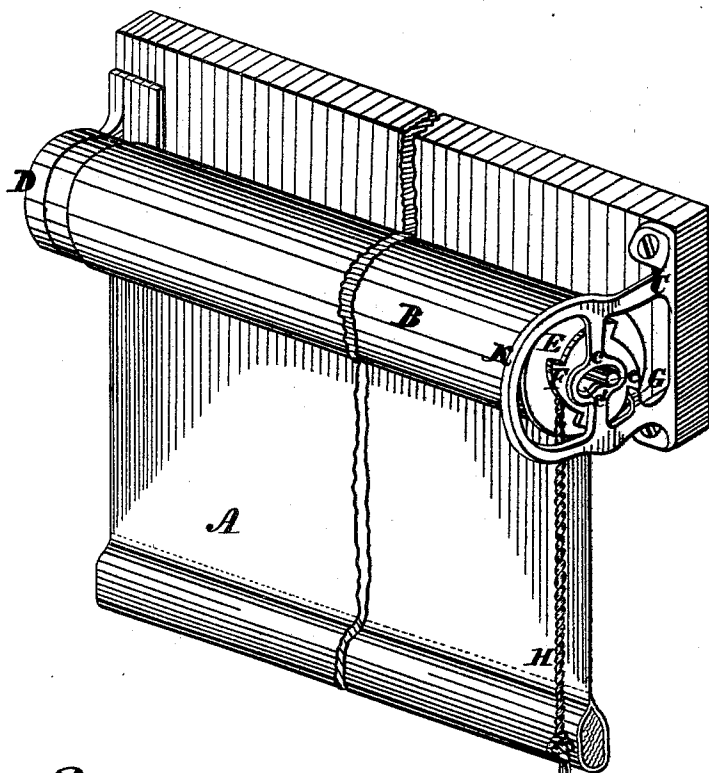


J. C. LAKE.

BRACKETS FOR CURTAIN ROLLERS.

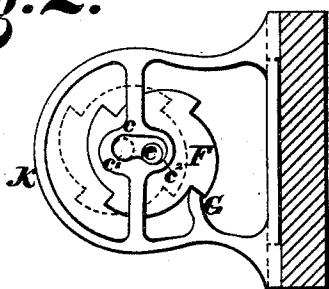
No. 176,015

Patented April 11, 1876.

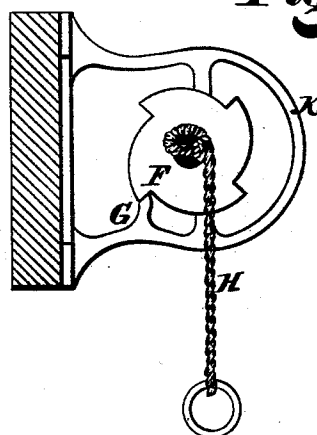


*Fig. 1.*

*Fig. 2.*



*Fig. 3.*



Witnesses

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# UNITED STATES PATENT OFFICE.

J. CHRISTOPHER LAKE, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN BRACKETS FOR CURTAIN-ROLLERS.

Specification forming part of Letters Patent No. **176,015**, dated April 11, 1876; application filed September 11, 1875.

*To all whom it may concern:*

Be it known that I, J. CHRISTOPHER LAKE, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Curtain-Fixtures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a perspective of my invention. Fig. 2 is a section of my invention. Fig. 3 is a side elevation of my invention.

The object of this invention is to provide a curtain-bracket, having a cord-guard, oblong shaft-socket, and a ratchet-stop, substantially as hereinafter described.

In applying my invention to the purpose intended I employ a weighted curtain, attached to a roller, having a cord-pulley, provided with a ratchet-wheel and journal, which has its bearing in an inclined elongated slot in the bracket in which it is sustained. When the cord which winds on the pulley is taken hold of lightly, so as to allow the curtain to descend, the aforesaid journal will revolve in the upper end of the slot; but when the cord is released, said journal will move by gravity to the lower extremity of the slot, and the ratchet-wheel will come in contact with a stud or shoulder on the bracket, thus locking the roller and preventing the descent of the curtain. In order to prevent the cord from being caught or entangled in any way with the roller journal or ratchet-wheel, the bracket is constructed with a guard projecting over and covering said ratchet-wheel.

Referring to the accompanying drawing, A shows a weighted curtain, fastened to a roller, B, which revolves in brackets C and D. E is a cord-pulley, fastened on one end of said roller, and having one of its sides constructed to form a ratchet-wheel or cam, F. The

bracket C is formed with an elongated slot, *c*, inclining slightly from front to rear, its bottom line being curved or indented, so as to form a recess for the reception in the corner *c*<sup>1</sup> of the pulley-journal *e* when the curtain is being rolled or unrolled. G is a pin or shoulder on the bracket C, against which the cam or ratchet F impinges when the journal *e* moves into the corner *c*<sup>2</sup> upon the release of the cord H, as already described. K is a curved guard, projecting outwardly and toward the curtain, so as to prevent the cord from being caught by the ratchet or cam F or journal *e*.

I am aware that curtain-brackets have heretofore been made with elongated bearing-slots to receive the end of the journal-shaft, and allow it to be moved outward, so as to release the ratchet from its detent.

My improvement in the bearing-slot consists in curving its lower edge in a convex form, so as to provide a recess at its outer end, into which the shaft will slide, and allow the curtain to be wound and unwound without the employment of the usual pin over which the cord passes, and which allows the cord to wear out rapidly.

What I claim as my invention is—

1. The curtain-bracket C, formed with the cord-guard K, oblong shaft-socket *c*, and ratchet-stop G, substantially as shown, and for the purpose set forth.

2. The improved curtain-bracket, having the elongated shaft-bearing, terminating in a recess or depression at its outer end and in its lower edge, to receive and hold the adjustable curtain-roller shaft while the curtain is being wound and unwound, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of September, 1875.

J. CHRISTOPHER LAKE.

Witnesses:

M. DANL. CONNOLLY,  
CHAS. F. VAN HORN.