

(No Model.)

N. J. FELIX.  
ATTACHMENT FOR WINDOW SHADES.

No. 576,840.

Patented Feb. 9, 1897.

Fig: 1.

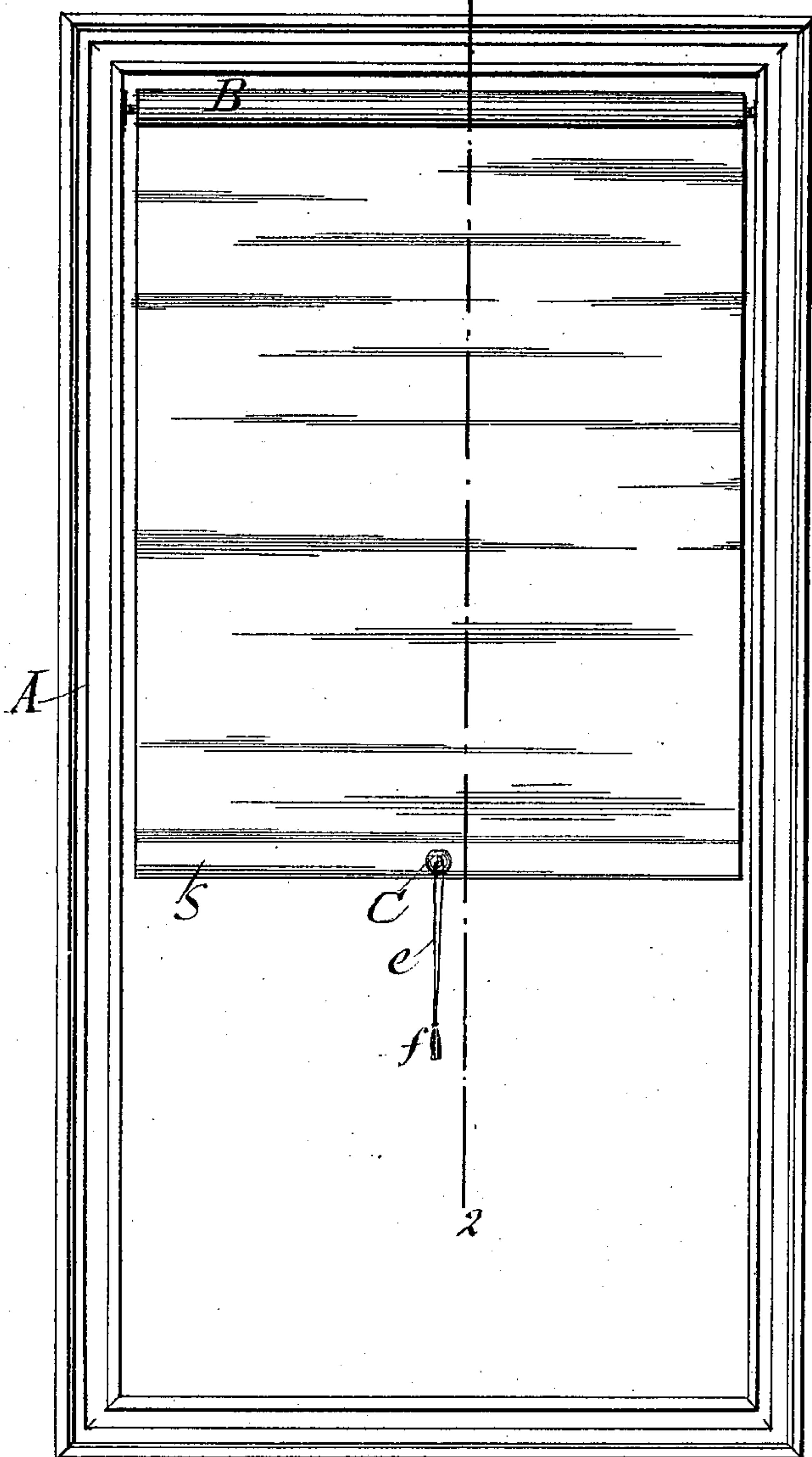


Fig: 2.

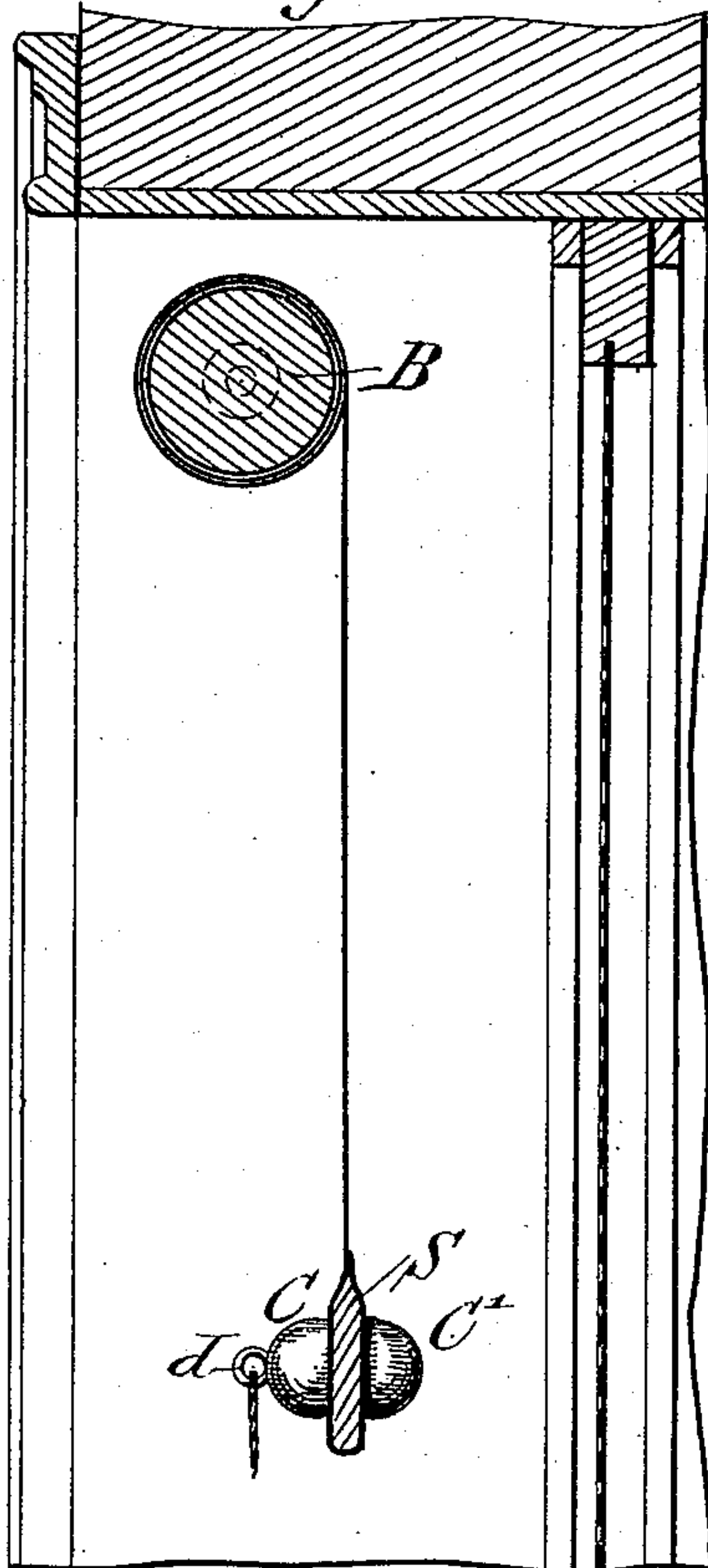


Fig: 3.

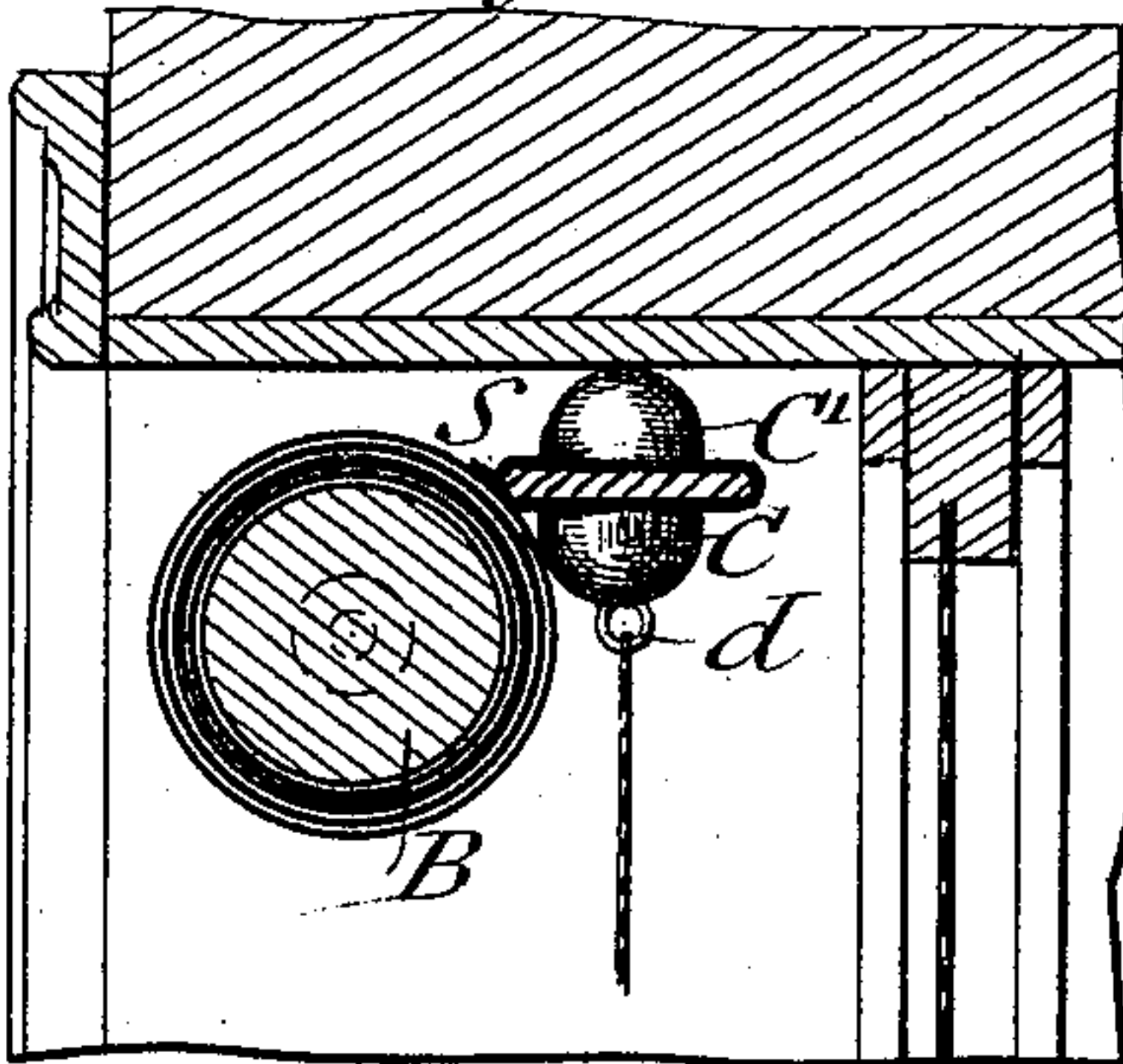
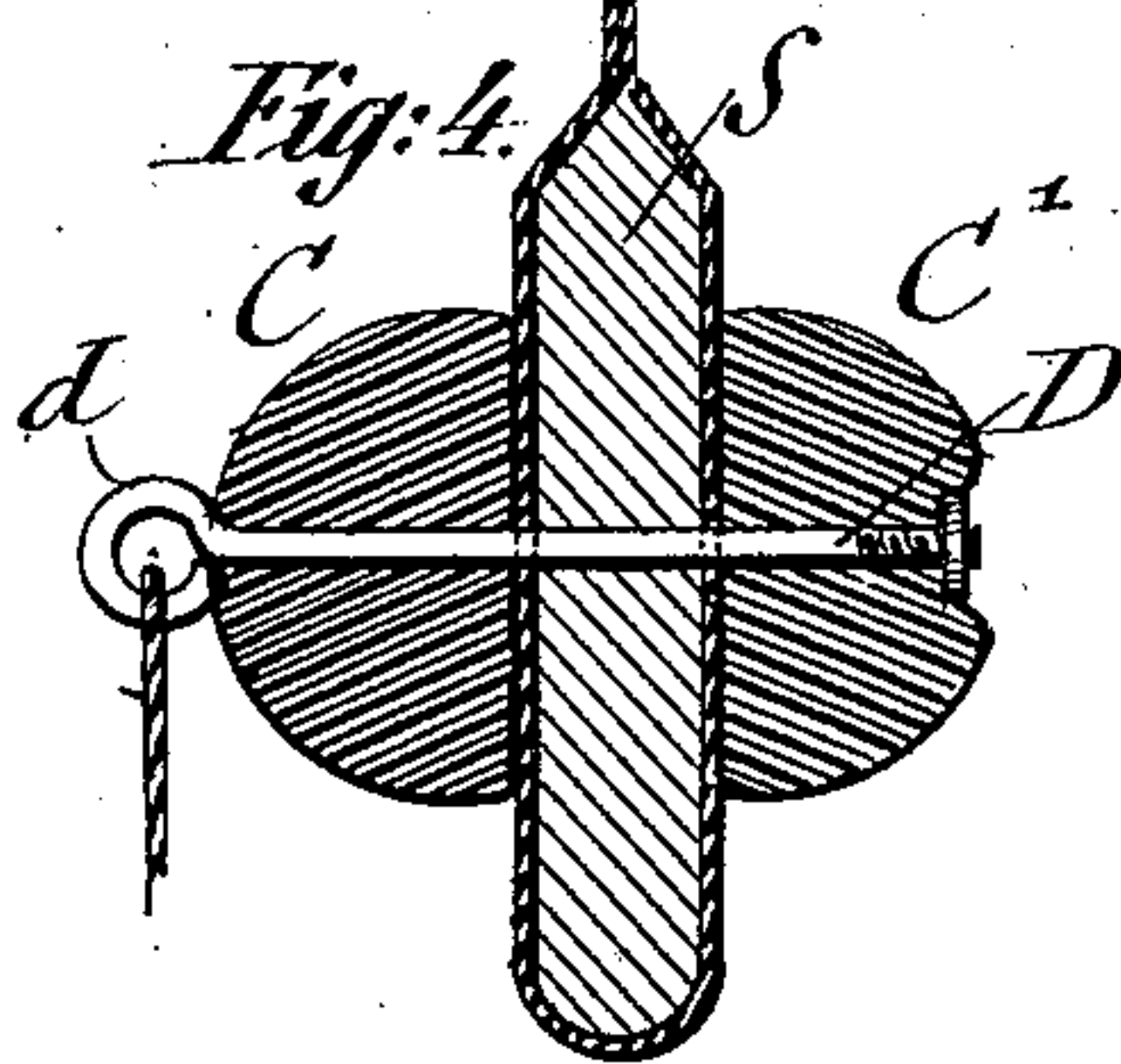


Fig: 4.



WITNESSES:

Chas. H. J. J. J.  
Geo. H. J. J.

INVENTOR

Numa J. Felix.

BY

Charles H. J. J.

ATTORNEYS.



# UNITED STATES PATENT OFFICE.

NUMA J. FELIX, OF BROOKLYN, NEW YORK.

## ATTACHMENT FOR WINDOW-SHADES.

SPECIFICATION forming part of Letters Patent No. 576,840, dated February 9, 1897.

Application filed October 21, 1896. Serial No. 609,528. (No model.)

*To all whom it may concern:*

Be it known that I, NUMA J. FELIX, a citizen of the United States, residing in Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Attachments for Window-Shades, of which the following is a specification.

This invention relates to an improved attachment for window-shades, the object of the same being to prevent the overwinding of the shade under the action of its spring, as when the shade slips from the hand, so that it can be readily returned into any desired lowered position without having to pass the stick around the roller, by which the guard-cord that is attached to the stick at the lower end of the shade can be entirely dispensed with by means of a very simple, cheap, and durable attachment applied directly to the stick.

To these ends the invention consists of an attachment for window-shades, which comprises two buffer-sections or knobs which are rigidly applied, respectively, to opposite sides of the stick at the lower end of the shade, said buffer-sections being connected by means of a suitable screw-bolt to which the tassel is applied, and adapted, when the shade is accidentally released and drawn quickly up under the action of its spring, to come in contact with the part of the shade wound around the roller and with the upper part of the window-casing, the space above the shade-roller being less in dimensions than the entire thickness of the two buffer-sections or knobs and the stick to which the same are applied, as will be hereinafter described and then particularly claimed.

In the accompanying drawings, Figure 1 represents a front elevation of a window-shade provided with my improved attachment for preventing the overwinding of the same. Fig. 2 is a vertical section on line 2 2, Fig. 1, drawn on a somewhat larger scale. Fig. 3 is a similar section showing the practical use of the attachment in preventing the overwinding of the shade, and Fig. 4 is an enlarged transverse section through the shade-stick and the buffer-sections and knobs.

A represents the window-casing, and B rep-

resents the shade-roller which is applied to the usual fixtures arranged at the upper part of the casing.

My invention consists in a rigid and fixed attachment, which is applied directly to the shade-stick S, preferably at the mid-length thereof, and is composed of two hemispherical or other suitably-shaped buffer-sections or knobs C C', of wood, soft rubber, or any other suitable material, preferably rubber, which are respectively applied to opposite sides of the mid-length of the shade-stick. These buffer-sections or knobs C C' are rigidly fixed to the stick by means of a bolt D, which is passed through the centers of the buffer-sections or knobs and through the stick, said bolt having at one end an eye d, to which may be attached a cord e, which is provided with the usual tassel or other suitable ornament f.

Referring particularly to Fig. 3, it will be seen that when the shade springs accidentally from the hand and is rapidly wound around the roller D the buffer-sections or knobs C C' at the opposite sides of the shade-stick will come in contact, respectively, with the wound-up portion of the shade and with the top of the casing, so that the shade-stick cannot be drawn under the action of the spring-roller through the space above the shade-roller, which is smaller than the dimensions of the buffer-sections and shade-stick combined.

As the attachment is very simple and consists of few parts, it will readily be seen that the contact of the same with the casing and the shade will not mar or otherwise impart an unsightly disfiguration to the casing. The attachment, being very simple, is not liable to become detached, and as it consists of so few parts it can be made very cheaply, so that it can be placed within the reach of all.

Having thus described my invention, what I claim is—

1. The combination, with a spring-actuated window-shade, of an attachment consisting of buffer-sections applied rigidly to the shade-stick, said buffer-sections being adapted to prevent overwinding of the shade, substantially as set forth.

2. The herein-described attachment for

shades, consisting of buffer-sections adapted to be applied to the opposite sides of the shade-stick, and a screw-bolt passing through said buffer-sections and through the shade-stick,  
5 and provided with means for the suspension of the tassel or other ornament, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

NUMA J. FELIX.

Witnesses:

PAUL GOEPEL,  
GEO. W. JAEKEL.