

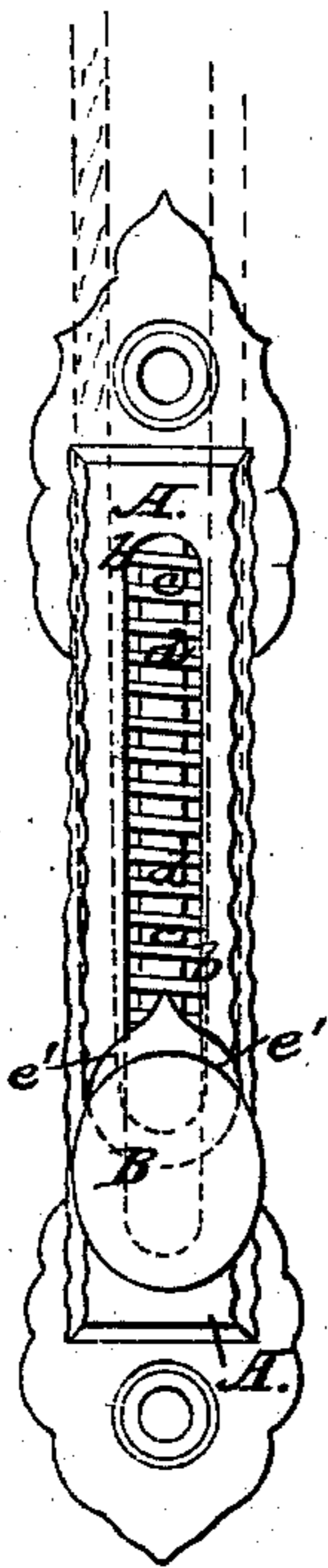
*J. J. Hessler,*

*Curtain-Cord Tightener,*

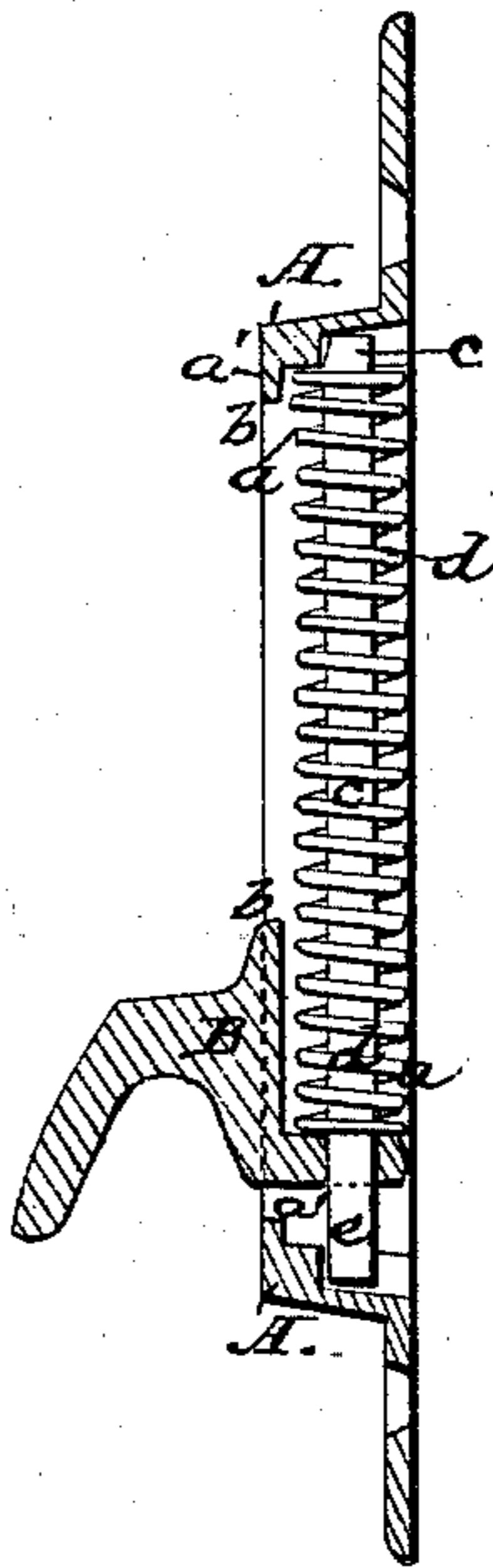
*N<sup>o</sup> 66,084.*

*Patented June 25, 1867.*

*Fig. 1.*



*Fig 2*



*Inventor.*

*J. J. Hessler.*  
*Per. Brown, Combs & Co.*  
*Atty.*

*Witnesses;*

*W. Brown,*  
*Geo. W. Reed.*

# United States Patent Office.

JACOB J. HESSLER, OF READING, PENNSYLVANIA.

*Letters Patent No. 66,084, dated June 25, 1867.*

## IMPROVED CURTAIN FIXTURE.

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, JACOB J. HESSLER, of Reading, in the county of Berks, and State of Pennsylvania, have invented a new and useful Improvement in Spring Shade-Racks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front view of a spring shade-rack constructed according to my invention.

Figure 2 is a longitudinal section of the same.

Similar letters of reference indicate corresponding parts in both figures.

This invention consists in a sliding knob arranged upon a suitable supporting wire or rod, and in relation with a spiral spring placed around the said rod, whereby a uniform tension is exerted upon the cord employed to raise and hold the curtain. The invention further consists in the arrangement of the aforesaid knob and a slotted barrel in such relation with each other and with a rod and spiral spring contained within the said body that the efficiency of the rack is very materially increased, and whereby, from the simplicity of its construction, it is made capable of being manufactured at a very moderate expense.

To enable others to understand the construction and operation of my invention, I will proceed to describe it with reference to the drawings.

A represents the barrel of the shade-rack, which is made hollow or with a large internal recess, *a*; and has formed in its front side a longitudinal slot, *b*. Formed in the interior of the barrel A, at each end of the recess *a*, is a notch, *a'*, the said notches receiving the extremities of a small rod, *c*, placed longitudinally within the recess *a*. This rod *c* passes through a vertical hole formed in the innermost end of the sliding-knob B, the said knob passing through the slot *b* and being furnished with shoulders *c'* which move in contact with the front surface of the barrel A, the rod *c* constituting a guide to hold the knob B in position as it moves up and down. A spiral spring, *d*, is placed around the rod *c* and presses the knob B downward. The barrel A being attached by screws, or other suitable means, to the side of the window-frame, the endless cord, which operates the roller of the window-shade to raise or lower the same, is passed over the outwardly projecting portion of the knob B, as indicated in red outline in fig. 1, whereupon the said knob being pressed downward by the spring *d* strains or tightens the aforesaid cord, and thus retains it at such tension as to insure its proper operation in rotating the roller of the shade in one direction or the other, as required in raising or lowering the shade, as the case may be. From the simplicity of its construction and the ease with which its several parts may be put together, the shade-rack, as thus constructed, is not only rendered very strong and not liable to get out of order, but may, furthermore, be manufactured at an extremely moderate cost.

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

The sliding-knob B, working through the slot *b* of the barrel A, and arranged in relation with the rod *c* and spiral spring *d* contained in the said barrel, substantially as and for the purpose specified.

JACOB J. HESSLER.

Witnesses:

JNO. C. A. HOFFEDITZ,

JONES O. THOMAS.