

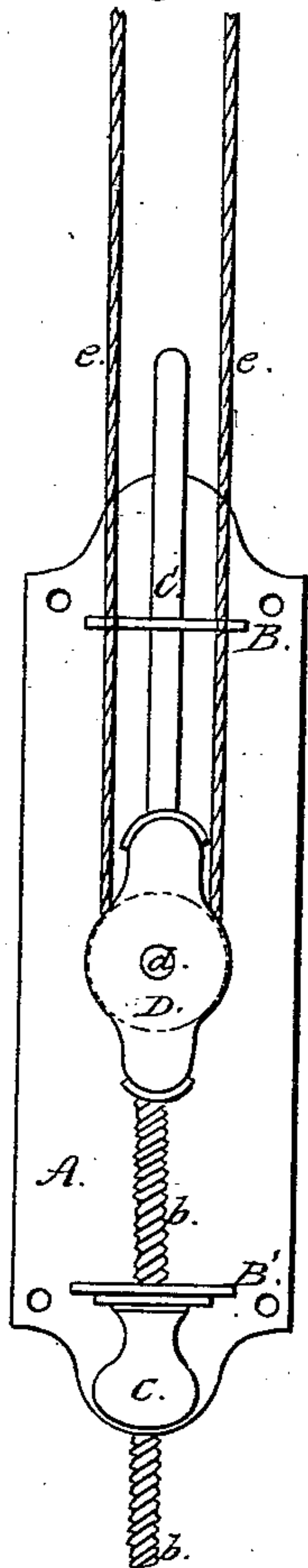
*H. & A. Lovie,*

*Curtain-Cord Tightener,*

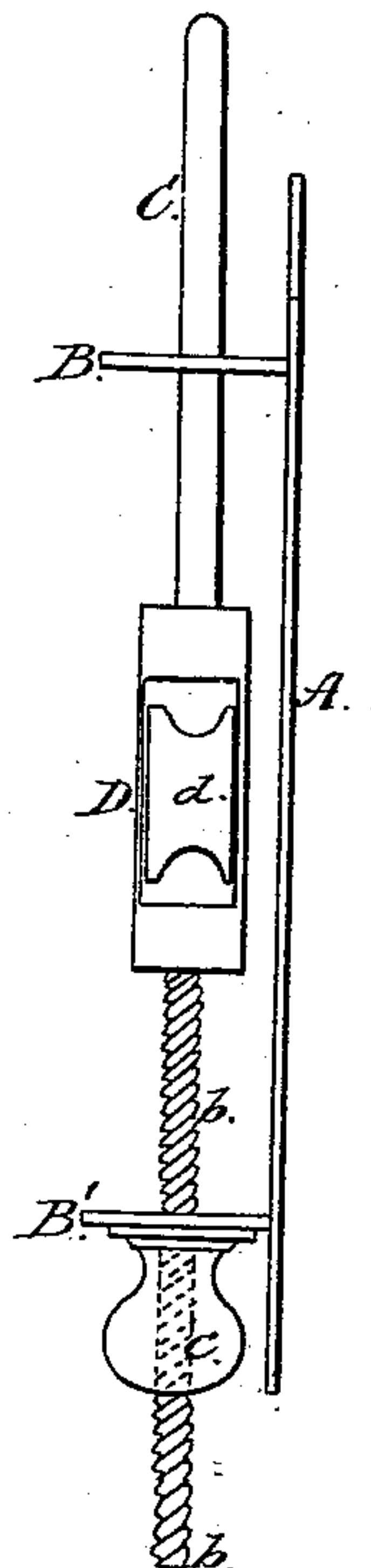
*Nº 61,745,*

*Patented Feb. 5, 1867.*

*Fig. 1.*



*Fig. 2.*



*Witnesses;*

*H. Mann*

*Harold Zeiler*

*Inventor;*

*Henry Lovie*

*Albert Lovie*

# United States Patent Office.

HENRY AND ALBERT LOVIE, OF PHILADELPHIA, PENNSYLVANIA.

*Letters Patent No. 61,745, dated February 5, 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 we, HENRY LOVIE, of the city and county of Philadelphia, and State of Pennsylvania, and ALBERT LOVIE, of Prussia, now residing in the city and county of Philadelphia, and State of Pennsylvania have invented an improved Window Curtain and Shade-Holder; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Our invention consists of a jamb-plate, which has a bracket or guide fixed at or near each end, projecting outwardly; through openings or guide-holes formed in the said brackets a rod is received, having a perfectly free longitudinal motion, the lower end of said rod having a screw formed on it, on which a nut, bearing the bottom surface of the lower bracket, is screwed; about midway of the rod a cage is formed for taking the cord-pulley, revolving on an axis bearing in the sides of the cage. On reference to the accompanying drawing, which forms a part of this specification—

Figure 1 is a front view; and

Figure 2 is a side view.

Similar letters refer to similar parts in the two views.

A is a jamb-plate which is fixed to the jamb of a window. B B' are brackets or guides, one secured to each end of the jamb-plate and projecting outwardly from it. There is a guide-hole formed in each bracket, through which the rod C slides back and forth, having a perfectly free longitudinal motion, and is guided and kept in place by the said brackets. A screw, b, is formed on the lower end of the rod C; a nut, c, takes on the screw, and when the curtain-holder is in use, the bottom of the nut bears against the bottom or outer surface of the lower bracket, the said nut being milled for convenience in turning. About midway between the ends of the rod, a pulley-cage, D, is formed, making part of the rod; its sides are left open for inserting a pulley, d, which revolves in it, on an axis bearing in the front and back. When the shade-holder is to be put in use it is fixed to the jamb of the window at a convenient distance from the shade-roller; the roller-cord e is then passed over the wheel on the end of the shade-roller, and through the cage D, under the pulley d, taking into the grooves in the wheel and pulley; the nut c is then rotated on its screw in the direction for either raising or lowering the rod, as may be required. The cage D being a part of the rod, raises or lowers with and consequently loosens or tightens the shade. The pulley d increases the facility for raising and lowering the shade, and decreases the wear and tear of the cord by lessening the friction.

What we claim as our invention, and desire to secure by Letters Patent, is—

The sliding screw rod C, having a pulley-cage, D, formed in it, in which the pulley d is contained, substantially as specified and described.

In testimony whereof we hereunto sign our names to this specification in presence of two subscribing witnesses.

Witnesses:

H. MANN,  
DAVID BUTLER.

HENRY LOVIE,  
ALBERT LOVIE.