(No Model.) 2 Sheets—Sheet 1.

DE L. SHEPLIE.

Curtain Fixture.

No. 242,796. **Patented June 14, 1881.**

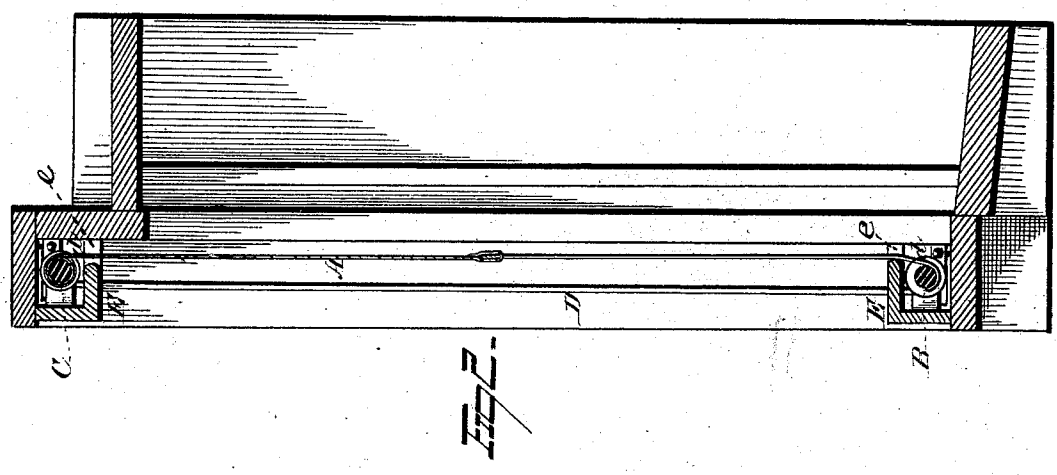


Fig. 2.

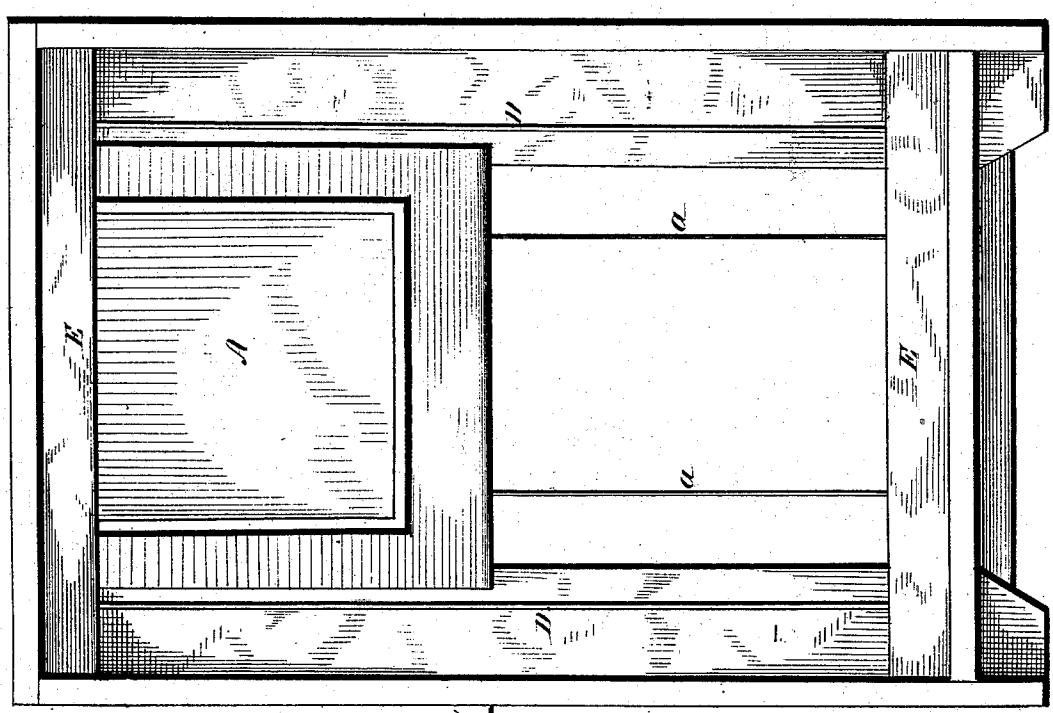


Fig. 1.

WITNESSES

Floyd Norris

Philip F. Larner

INVENTOR

Mrs. DeLana Sheplie

by Johnson and Johnson

ATTORNEYS.

N. PETERS. Photo-Lithographer, Washington, D. C.

(No Model.)

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Fig. 4.

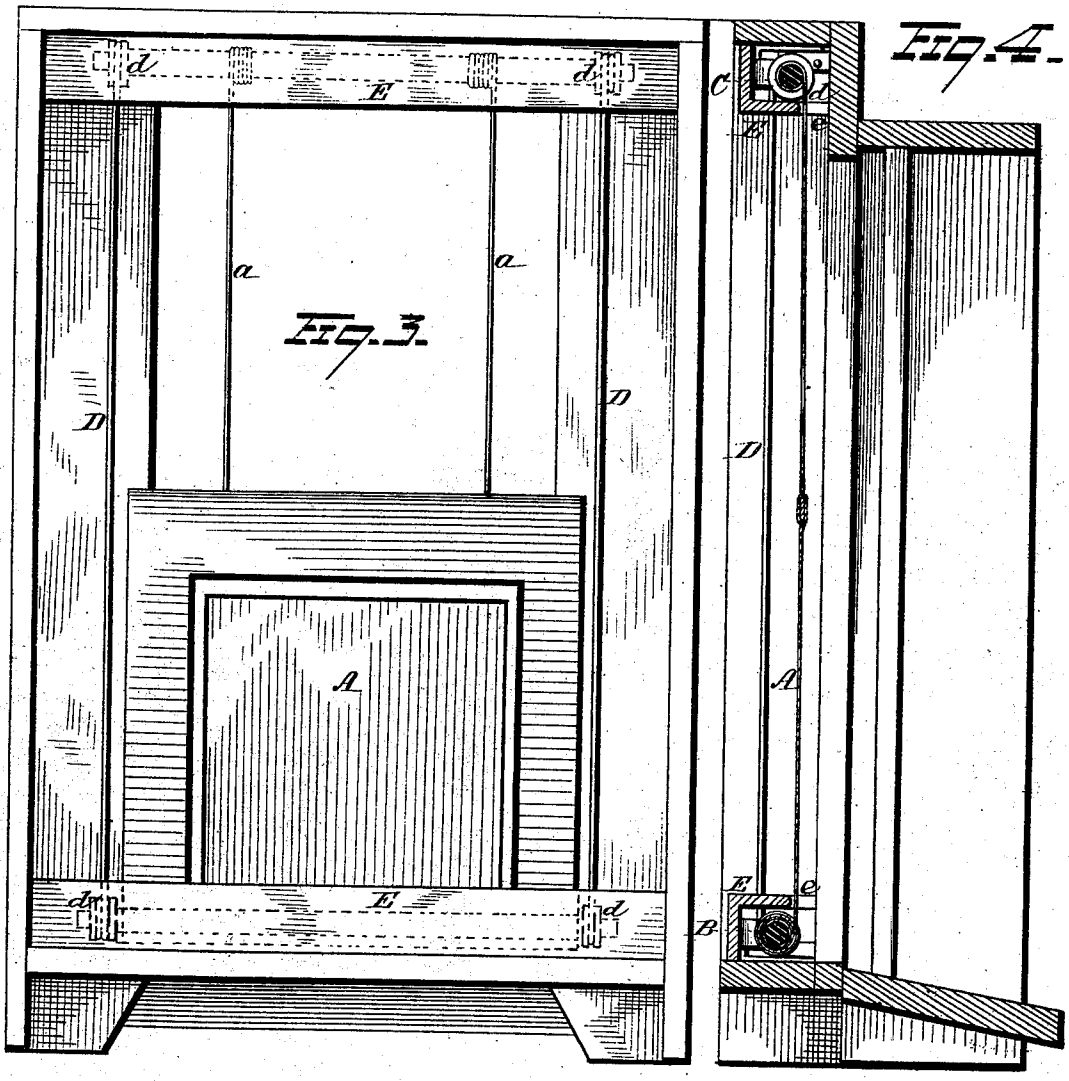
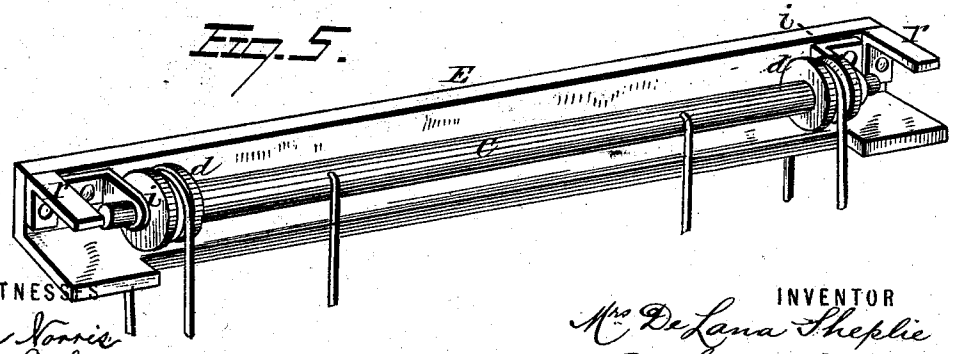


Fig. 3.

Fig. 5.



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UNITED STATES PATENT OFFICE.

DE LANA SHEPLIE, OF BOSTON, MASSACHUSETTS.

CURTAIN-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 242,796, dated June 14, 1881.

Application filed February 1, 1881. (No model.)

To all whom it may concern:

Be it known that I, Mrs. DE LANA SHEPLIE, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Window Curtains or Shades, of which the following is a specification.

My invention relates to improvements in rolling curtains or shades for windows in which the shade is adapted to be rolled wholly or partially upon a top or upon a bottom roll and unrolled from either to entirely shade the window.

The rolls are mounted in inclosing-boxes suitably secured to the window-casing, and having the appearance of forming part of the same. The roll-operating cords pass through the boxes which inclose the rolls, and the shade, when rolled, is entirely concealed and covered by the roll-box. The rolls and their operating-pulleys are also covered and protected, and the boxes within which they are mounted are fitted within the casing, so that they may be removed with the shade when desired.

The roll-covering boxes may be made of any suitable material and form, and while they serve to carry the rolls, they also protect the shade when rolled, and were it not for such inclosing-box it would not be desirable to use a lower roll, because the shade would soon become soiled and the appearance of the roll and its pulleys would be objectionable.

In the accompanying drawings, Figure 1 represents an elevation of a window with a shade or curtain, showing the shade as half lowered from the top; Fig. 2, a vertical section of the same; Fig. 3, an elevation, showing the curtain half raised from the bottom; Fig. 4, a section of the same, and Fig. 5 a perspective from the rear of one of the winding-rolls in its box.

The curtain or shade A is adapted to be wound around a roll, B, at the bottom of the window, and a similar roll, C, arranged at the top of the window. For this purpose the curtain is attached at each end to each of the rolls by a cord or cords, *a a*, so that as the curtain is wound around one roll the cord or cords keep it taut with the other roll and render it capable of being stopped at any point in the window or wound around the roll at top or bottom. These cords are wound upon the rolls with the curtain and form its carrying or drawing connections with the rolls. When single carrying or drawing cords are used they are connected at the middle of the length of each roll and to the middle of the width at the ends of the shade; but when two cords are used, as shown, for each end of the curtain, they are disposed so as to cause the curtain to roll straight, and for this reason two cords are preferable for carrying each end of the curtain. When one endless operating-cord is used it is wound twice around the pulleys of both rolls; but when two such cords are used, one at each side of the window, then it is preferable to wind each cord twice around one of the pulleys of each roll.

The rolls are operated by an endless belt or belts or cord or cords, D, passing over pulleys *d d* on the said rolls.

To raise or lower the curtain, as the rolls are turned the cord or cords *a a* wind around one roll, and, pulling the shade after them, take it to any desired point, the movement being up or down as the endless belt or belts are pulled.

The rolls are inclosed within boxes E, within either of which the shade, when rolled, is entirely concealed, so as to be out of sight from the inside of the room, and as to the lower roll, it is important that there should be no appearance of such a fixture or of the shade when rolled thereon. These boxes may be secured in place across the top and bottom of the window-casing by buttons or other means, and one of them may be made adjustable in any suitable way to give the desired tautness to the operating-cords. As the shade is rolled behind the boxes, the inner sides of the latter do not join the window-casing; but an open way, *e*, is left for this purpose.

The bearings *i* for the rolls are secured to the inner sides of the inclosing-boxes, so as to bring the pulleys close to the window-casing, as shown in Fig. 5, in which *r r* are angle-plates, by which the boxes are fastened over corresponding plates in the casing.

The operating-cords D pass through the open way *e* and through holes in the boxes.

Window-shades have been adapted to be rolled upon top and bottom rolls to shade the window partially from the top or from the bottom, or entirely from either roll, the rolls being mounted in fixed brackets out from the

window-casing, and operated by separate cords passing over pulleys fixed on said casing.

Venetian blinds have been suspended from a top case which incloses a top roll operated to raise and lower the slats by cords passing through the bottom of said case, the said roller-box being arranged within the top of the casing, outside of the window, so that the blind can be thrown outward from the house to form an awning. Window-shades have also been adapted to be rolled and unrolled from a top roll inclosed within the window-casing or space behind the window-cap, so as to combine in one device the offices of inside and outside shutters and curtain or shade. Screens have also been adapted for use with and operated and controlled by the window-sash and a spring-roller at the bottom of the window-frame, the said roller being mounted in the window-casing and covered by a box. My improvement is distinguished from these things in this, that it is an attachment complete as a rolling shade and box appliance, provided with means whereby it may be applied to and removed from the window-frame, and is independent of the window and its casing.

I claim—

A window attachment for a rolling shade, consisting of the top and bottom rolls, C B, the shade A, its roll-connecting cords, the boxes E, and the operating-cords D, the said boxes being provided with means whereby they may be set in and secured to the inner side of the window-casing as a complete shade-roller and box attachment for rolling the shade at the top or at the bottom, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

DE LANA SHEPLIE.

Witnesses:

A. S. BARNES,

JAS. CROSBY.