

J. D. Legg,
Curtain Fixture,

N^o 81,280,

Patented Aug. 18, 1868.

Fig 1.

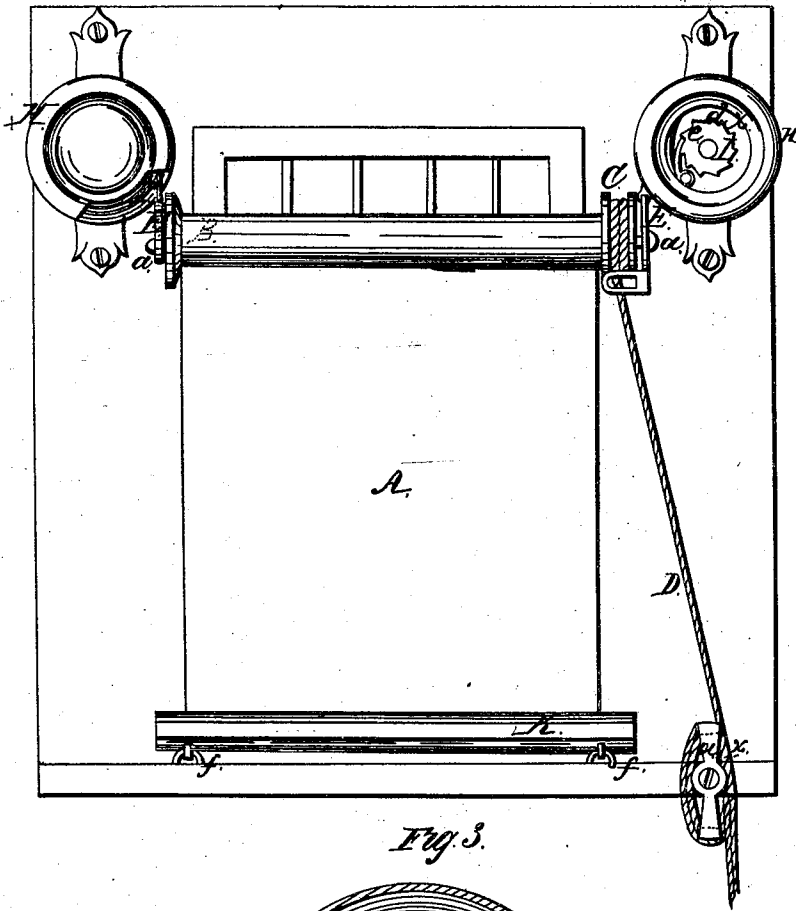


Fig 2.

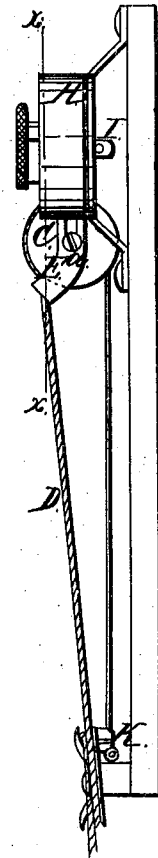
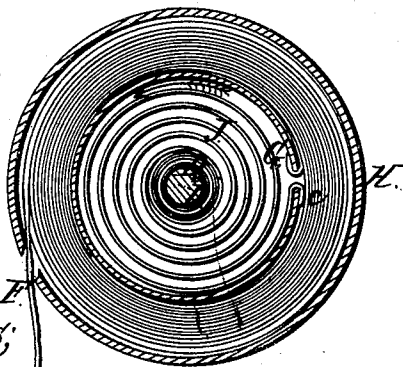


Fig 3.



Witnesses;
Amos Morgan
G. L. Cotton

Inventor;
J. D. Legg
per Wm. H. (Attorney)

United States Patent Office.

J. D. LEGG, OF LONG EDDY, NEW YORK.

Letters Patent No. 81,280, dated August 18, 1868.

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, J. D. LEGG, of Long Eddy, in the county of Sullivan, and State of New York, have invented a new and useful Improvement in Curtain-Fixtures; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front view of my invention.

Figure 2 is a side view of the same.

Figure 3 is an enlarged sectional view of a part of the same, taken in the line $x\ x$, fig. 2.

Similar letters of reference indicate like parts.

This invention relates to a new and useful improvement on a curtain-fixture, for which Letters Patent were granted to myself and J. W. Legg, May 5, 1868.

The object of the present invention is to obviate the difficulty attending the lowering or drawing down of the shade, and the winding up of the coil-springs, the inner ends of the latter being attached to the cylindrical boxes, out of or at a short distance from their centres, a necessity in the old arrangement, and which causes the springs to bind, after a few convolutions have been drawn together by a few revolutions of the cylindrical boxes, so that the springs cannot be fully wound up.

In the accompanying sheet of drawings, A represents a window-curtain, one end of which is attached to a roller, B, having a pulley, C, on one end of it, to which a cord, D, is secured.

The journals $a\ a$ of the roller B are fitted in metallic arms, E E, each arm having a strap or belt, F, attached to its upper end.

These straps or belts are secured to the peripheries of cylindrical boxes G, which are enclosed within cylindrical cases, H H, attached to the upper part of the window-casing.

The boxes G are fitted loosely on shafts or axes I, and within each box a coiled spring, J, is placed, the inner ends of the springs being fitted to the shafts or axes, as shown at b , and the outer ends attached to the boxes at their peripheries, as shown at c .

The shafts or axes I have each a ratchet, d' , on them, into which pawls e engage, said pawls being attached to the cases H.

To the lower end of the curtain A, there is attached a wooden strip or bar, K, and this strip or bar is connected by hooks f to the window-sill; when it is desired to lower the shade at the top.

It will be seen, when the strip or bar K is thus attached, that, by pulling downward the cord D, the curtain will be unrolled at the top, and lowered, and may be secured at any desired point by winding the cord around the bracket a' at the bottom of the casing. The springs J J, as the curtain is thus lowered, are wound up, so that, by loosening or detaching the cord D, the springs will unroll and raise the curtain.

By detaching or loosening the bar or strip K, the curtain may be raised and lowered from the bottom, as usual.

By this arrangement, the coil-springs may be wound up perfectly, or without any danger of binding.

The pawls and ratchets, it will be perceived, prevent the shafts or axes I from turning when the curtain is being pulled down, and the springs J are being wound up.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The coil-springs J, enclosed concentrically within the cylindrical boxes G, and attached to the shafts or axes I, and the peripheries of the boxes G, in combination with the pawls e , ratchets d' , and curtain A, all being arranged substantially in the manner as and for the purpose set forth.

The above specification of my invention signed by me, this 3d day of July, 1868.

J. D. LEGG.

Witnesses:

FRANK BLOCKLEY,
ALEX. F. ROBERTS.