

*J. Doyle,
Curtain Fixture.*

No. 92,710.

Patented July 20, 1869.

Fig. 1.

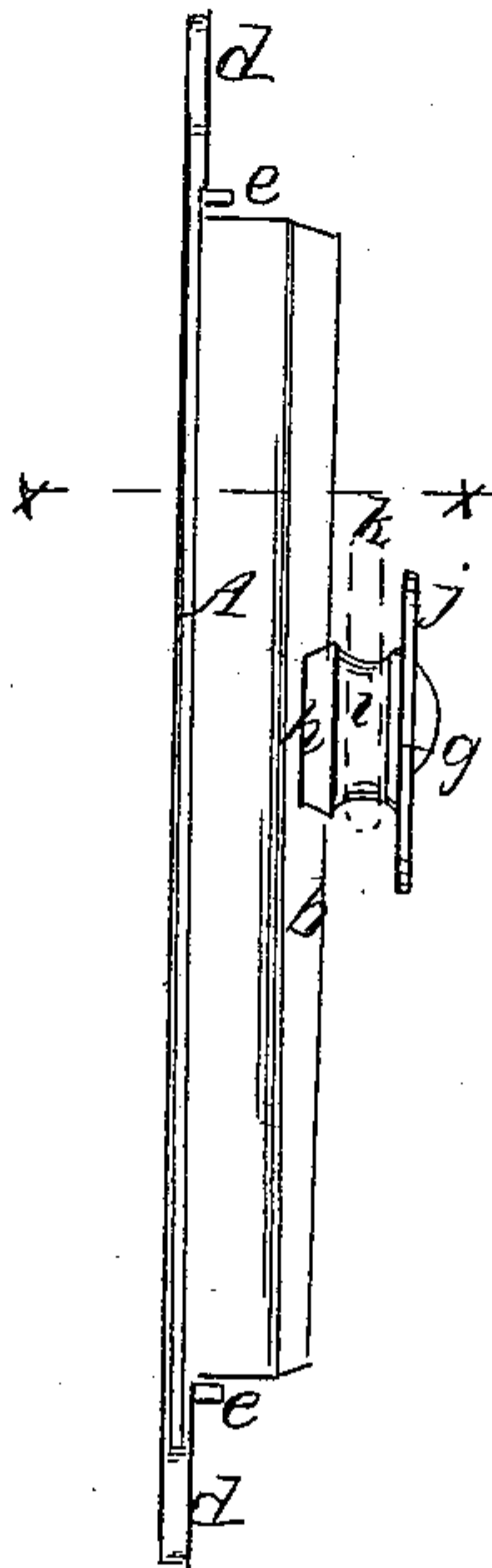


Fig. 2.

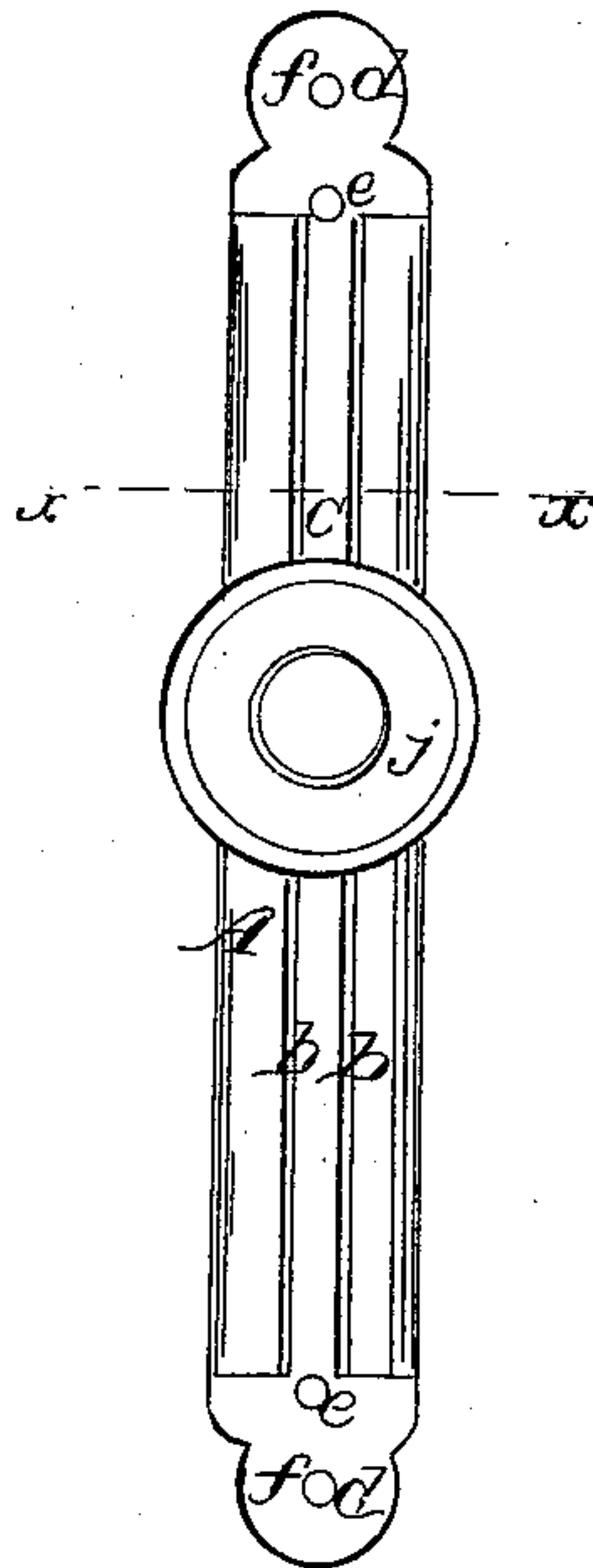
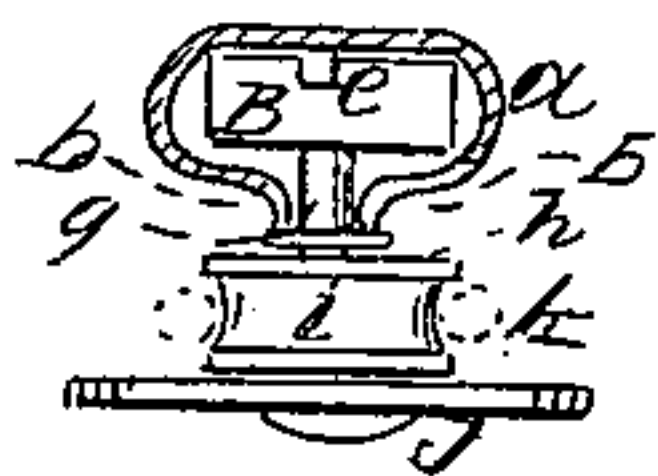


Fig. 3.



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JOHN DOYLE, OF HOBOKEN, NEW JERSEY.

Letters Patent No. 92,710, dated July 20, 1869.

IMPROVEMENT IN 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, JOHN DOYLE, of Hoboken, in the county of Hudson, and State of New Jersey, have invented a new and improved Shade-Fixture; 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, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to a new and improved shade-fixture; and it refers to that portion of a shade-fixture which retains the lower part of the roller-cord in proper position, and by which said cord may be kept at a proper tension.

The invention consists in a peculiar construction of the fixture, whereby the pulley, over which the roller-cord passes, may be adjusted higher or lower, to regulate the tension of said cord, and without the possibility of said pulley casually moving when set or adjusted as desired.

In the accompanying sheet of drawings—

Figure 1 is a side view of my invention;

Figure 2, an outer or face view; and

Figure 3, a horizontal section of the same, taken in the line *x x*, figs. 1 and 2.

Similar letters of reference indicate corresponding parts in the several figures.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A may be termed the shell or case of the device, which is constructed of sheet-metal, bent or swaged in the form shown more particularly in fig. 3, the inner part *a* being of oval shape, or approximating thereto, in its transverse or horizontal section, and having two longitudinal flanches, *b b*, projecting out from it, with a space or opening, *c*, between, (as shown in fig. 2,) and provided at each end with a lip, *d*, each of which has a projecting pin or stop, *e*, and also a hole, *f*, by which the device may be screwed or tacked to the window-casing.

The flanches *b b* are parallel with each other, so that the space or opening *c* is of uniform width from end to end; but the outer edges of said flanches are not parallel with their bases, said edges being both in the same plane, but said plane forming a slight angle with the bases of the flanches, as shown clearly in fig. 1, the upper parts of the flanches being the widest or deepest, and gradually decreasing in width or depth from their upper to their lower ends.

Within the shell or case A, there is fitted a slide, B, which is allowed to work or move freely, and is prevented from casually slipping out of the shell or case by the pins or stops *e e*.

This slide is constructed of metal, and it is tapped

to receive a screw, *g*, which passes through the space or opening *c*, between the two flanches *b b*, into the slide B, and also passes through a cap, *h*, which is fitted over the outer edges of the flanches *b b*.

The outer part of this screw *g*, beyond the cap *h*, has a smooth periphery, and on this smooth surface a pulley, *i*, is fitted, and allowed to turn freely; and the outer end of the screw, beyond the pulley, has a circular disk, *j*, permanently attached, by which the screw may be turned through the medium of the thumb and forefinger.

The operation is as follows:

When the fixture above described is secured to one side of the window-casing, and the shade-roller properly fitted to the upper part of said casing, the roller-cord *k* is passed around the roller, or around a pulley attached thereto, and also around the pulley *i* of the fixture. The roller-cord *k* will, of course, be slack at first, necessarily so, in order to admit of this adjustment of the cord; and the latter is tightened, or brought to a proper degree of tension by shoving down the slide B, and, consequently, the pulley *i*; and when said cord is brought to a proper taut state, the screw *g* is turned, and the pulley *i* secured firmly in position by the slide B and cap *h*, said parts, under the action of the screw *g*, serving as a clamp, to hold the pulley. The slide and cap are prevented from casually moving upward and relaxing the cord, in consequence of the slightly-inclined edges of the flanches *b b*. This will be fully understood by referring to fig. 1. The inclined edges of the flanches *b b* preclude the necessity of screwing up very tightly the screw *g*, after the adjustment of the cord; it should be snugly screwed up, but not tightly, as the slide and cap will bind, by the least upward movement, under the pull of the tightened cord *k*.

This fixture possesses the following advantages:

First, economy in construction; second, durability; third, non-liability of getting out of repair; fourth, ease and facility in regulating the tension of the roller-cord.

Having thus described my invention,

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

The shell or case A, provided with the two parallel flanches *b b*, having the space or opening *c* between them, and provided with inclined outer edges, in combination with the slide B, fitted within the shell or case, the cap *h*, and the screw *g*, all arranged to operate substantially in the manner as and for the purpose set forth.

JOHN DOYLE.

Witnesses:

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