

J. Doyle,

Curtain Fixture.

No. 107,764.

Patented Sep. 27. 1870.

Fig. 1.

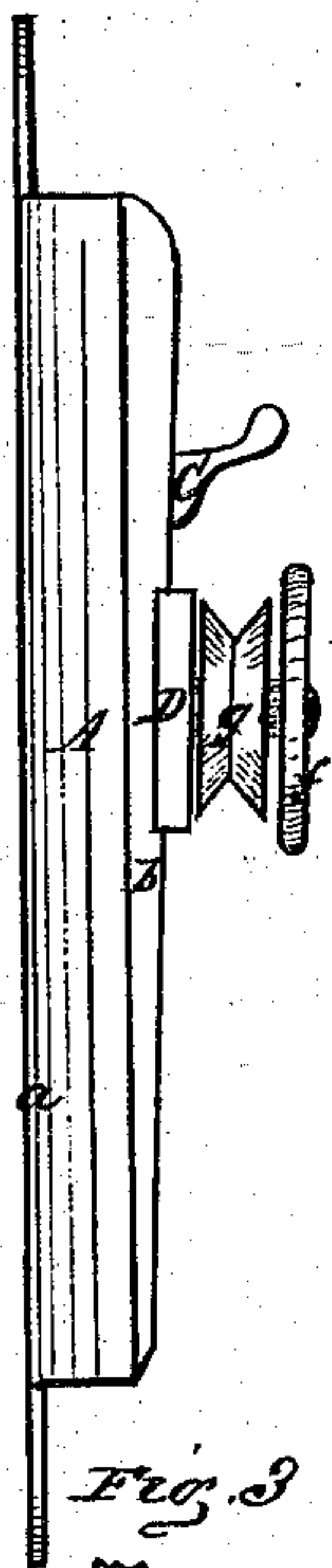


Fig. 3.

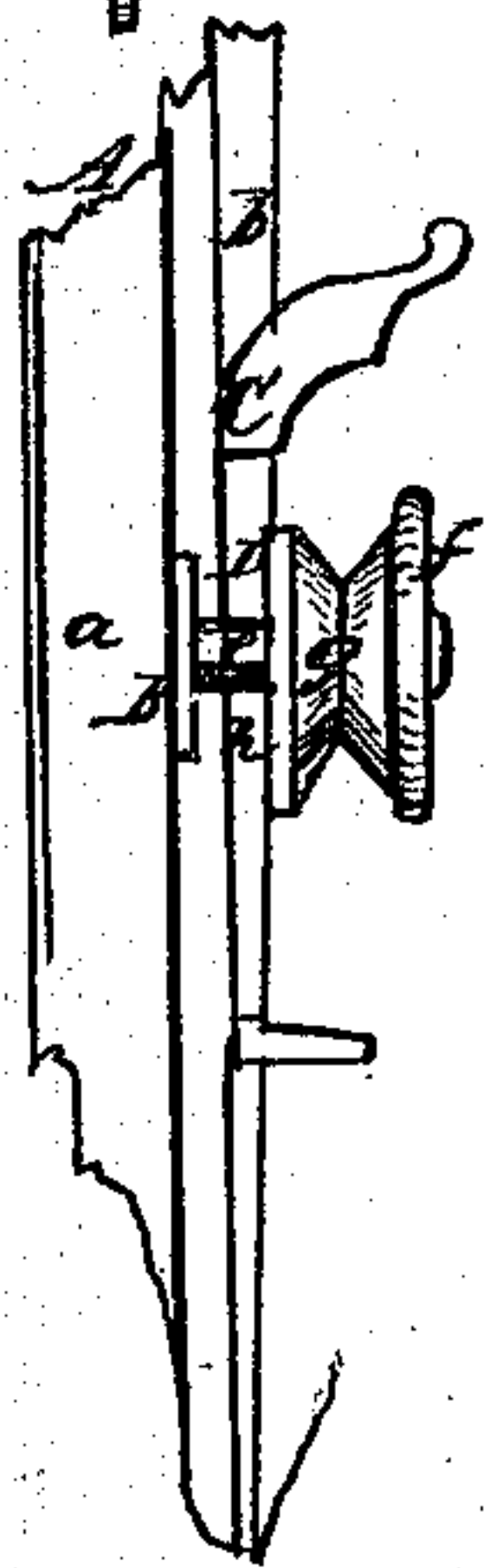


Fig. 2.

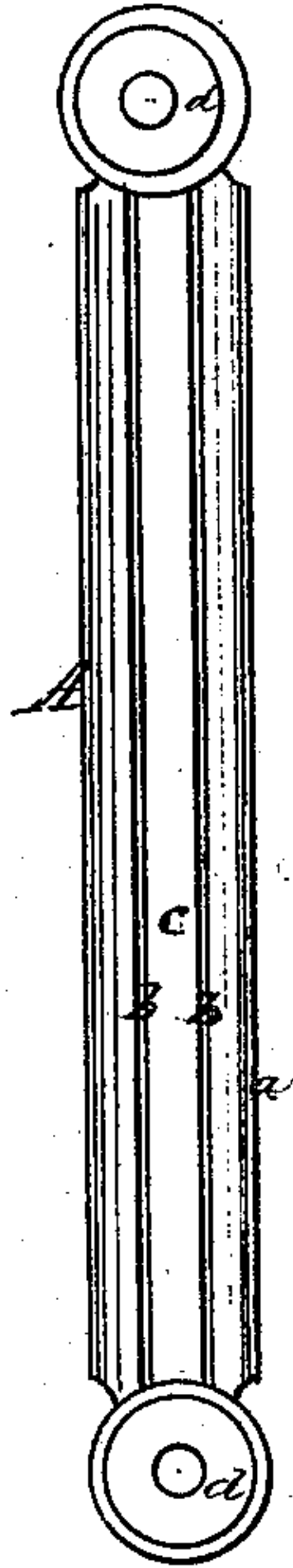
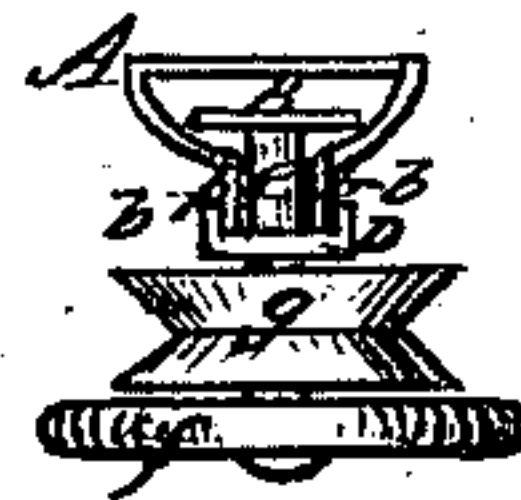


Fig. 4.



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JOHN DOYLE, OF HOBOKEN, NEW JERSEY.

Letters Patent No. 107,764, dated September 27, 1870.

IMPROVEMENT IN CURTAIN-FIXTURES.

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 or Curtain-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 drawing and to the letters of reference marked thereon, making a part of this specification.

This invention relates to a new and improved shade or curtain-fixture, and is an improvement on one for which Letters Patent were granted to me, bearing date of July 20, 1869.

The present invention consists in substituting a wedge for a screw used in my previously patented device, whereby the roller over which the lower part of the cord passes, may be more quickly adjusted than hitherto, for regulating the tension of the cord.

In the accompanying drawing—

Figure 1 is a side view of my invention.

Figure 2, a front view of the shell or case of the same, the movable parts being detached.

Figure 3, a side view of the movable parts, the shell or case being in section.

Figure 4, a horizontal section of the device complete, the wedge alone excepted, that not being shown.

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

A is the shell or case of the device, which is constructed of sheet metal, bent or swaged in proper form, the inner part, *a*, being oval shape in its transverse section, and having two longitudinal flanges, *b b*, with a space or opening, *c*, between, as shown in fig. 2.

The ends of the shell or case have holes, *d*, through which screws pass to secure it to the side of the window casing.

The flanges *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 flanges are not parallel with their bases; they are both in the same plane, but said plane forms a slight angle with the bases of the flanges, as shown in fig. 1, the upper part being the widest or deepest, and gradually decreasing in width or depth to their lower ends.

Within the shell or case A there is a slide, B, which is allowed to work or move freely up and down. This slide has a rod, *e*, attached to it, projecting out at right angles, and extending through the space or open-

ing *c*, between the flanges *b b* of the shell or case, said rod having a rigid button, *f*, on its outer end, and a roller, *g*, fitted loosely upon it between the button and a cap, D, which is fitted over the flanges, and which will be hereinafter described. The lower part of the shade or roller-cord passes over this roller.

C is a sliding or adjustable wedge, which is fitted within the shell or case A, between the slide B and the inner side of the outer part of the case or shell A, said wedge having a slot, *h*, longitudinally in it, for the rod *e* to pass through, the slot being sufficiently long to admit of a requisite degree of adjustment of the wedge.

D is a cap, which is fitted over the outer edges of the flanges *b b*, and through which the rod *e* passes. This cap is allowed to slide freely up and down, and the roller *g* may be secured in a higher or lower position by pressing down the wedge C, so as to cause the cap D to press or bind against the outer inclined surfaces of the flanges *b b*, and the slide B, to press against the inner surface of the shell or case A, the inclined surfaces of the flanges *b b* preventing any casual upward movement of the rod *e* and roller *g*.

Thus it will be seen that, by this simple arrangement, the tension of the shade-cord may be regulated as desired, with the greatest facility, the adjustment of the wedge C being only required.

I do not claim the inclined surfaces of the flanges *b b*, nor any of the parts herein described, when separately considered, for they all, with the exception of the wedge, may be seen in the patent previously granted to me, and before referred to, and the wedge has been previously used with different appliances or connections in other fixtures.

Having thus described my invention,

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

The combination of the adjustable wedge C, shell or case A, provided with the parallel flanges *b b*, having a space or opening, *c*, between, and provided with inclined outer edges, the slide B and the cap D, all constructed and arranged substantially as and for the purpose set forth.

The above specification of my invention signed by me this 19th day of March, 1870.

JOHN DOYLE.

Witnesses :

G. M. ACKERMAN,

J. M. WILLET.