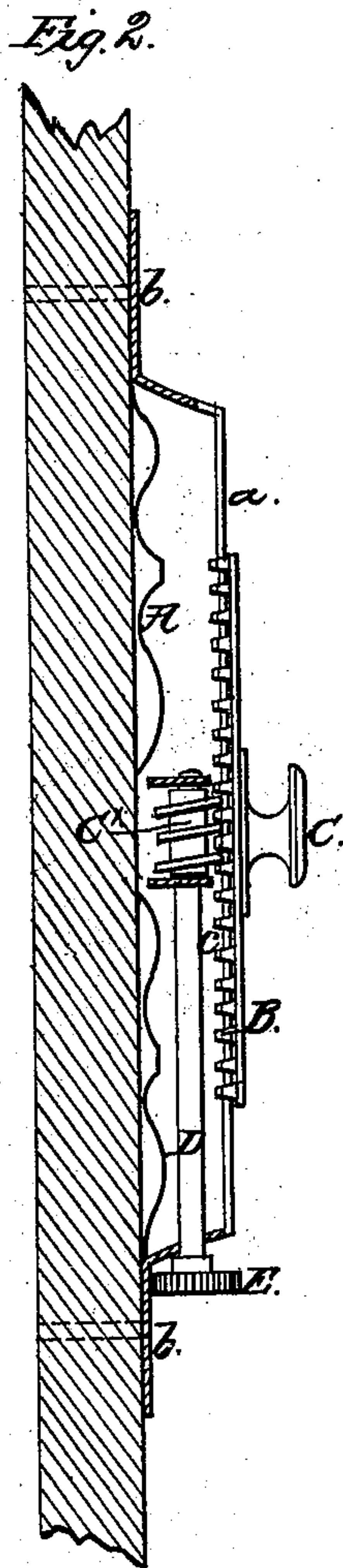
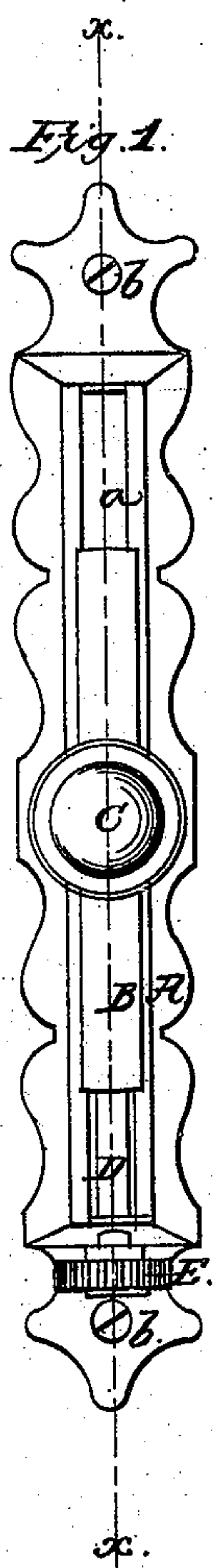


J. Cunningham,
Curtain-Cord Tightener,
Nº 62,824, Patented Mar. 12, 1867.



Witnesses:
Theo. Tuche.
Wm. Greiner

Inventor:
Jno Cunningham
Per H. M. M. & Co.
Attorneys.

United States Patent Office.

JOHN CUNNINGHAM, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 62,824, dated March 12, 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 I, JOHN CUNNINGHAM, of Philadelphia, in the county of Philadelphia, and State of Pennsylvania, have invented a new and improved Shade Fixture; 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.

This invention relates to a new and improved fixture for the cord of a window shade, the fixture containing a knob or pulley around which the lower part of the cord passes, and by adjusting which the cord may be stretched when necessary, and always kept in a proper taut state. The invention consists in a novel means for adjusting the knob or pulley around which the cord passes for the purpose of stretching the same, as hereinafter fully shown and described. In the accompanying sheet of drawings—

Figure 1 is a front or face view of my invention.

Figure 2, a side sectional view of the same, taken in the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

A represents a metal case, which may be of sheet or cast metal, and has an oblong slot or opening, *a*, in its front side, extending the whole length of the same, as shown in fig. 1. This case is secured by screws or nails, *b*, to the side of the window frame, and in the slot or opening *a* there is fitted a slide, B, which is considerably shorter than the slot or opening, in order that the former may work up and down in the latter a requisite distance, the sides of the slot or opening serving as guides for the slide. To the exterior of the slide B there is attached a knob or pulley, C, around which the lower part of the shade cord passes, and the inner side of the slide B is provided with a rack, *c*, into which a screw, C^x, gears, said screw being on a rod, D, fitted within the case A, and having a thumb-wheel, E, on its lower end at the outer side of the case A. It will be seen from the above description that by turning the rod D the slide B may be raised or lowered as desired, and the shade cord made as taut as necessary.

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

The slide B fitted in a slot or opening, *a*, in the case provided with a knob or pulley, C, at its outer side, and with a rack, *c*, at its inner side, into which a screw, C^x, on a rod, D, gears, said rod projecting through the end of the case, and having a thumb-wheel, E, on its end at the exterior of the case, all arranged substantially as and for the purpose set forth.

JOHN CUNNINGHAM.

Witnesses:

H. B. LUFFBERRY,

THOS. M. MONTGOMERY,