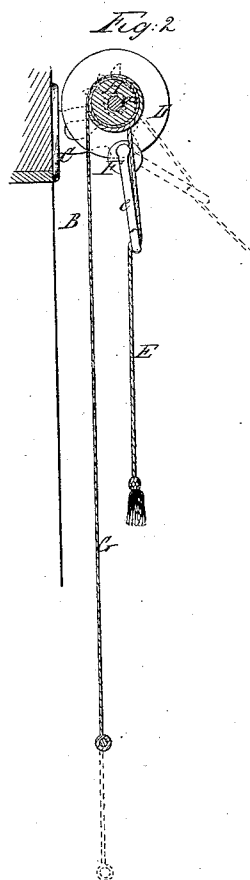
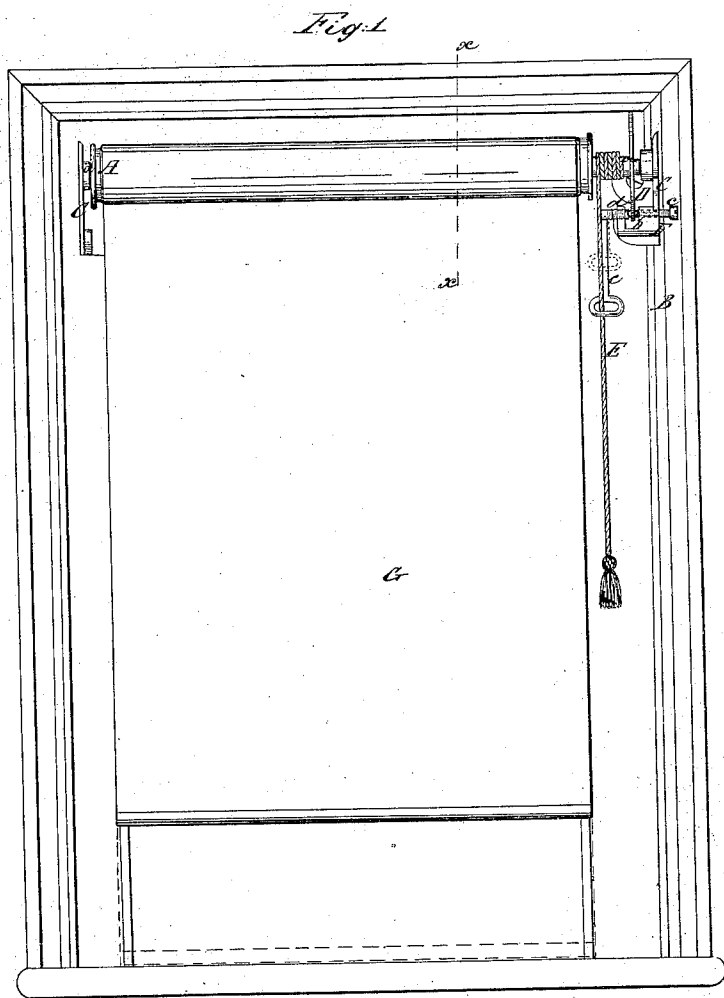


E. Brown,
Curtain Fixture,
N^o 27,686. *Patented Apr. 3. 1860.*



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UNITED STATES PATENT OFFICE.

EDWARD BROWN, OF WATERBURY, CONNECTICUT.

CURTAIN-FIXTURE.

Specification of Letters Patent No. 27,686, dated April 3, 1860.

To all whom it may concern:

Be it known that I, EDWARD BROWN, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Shade-Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a face view of a window with my invention applied to it. Fig. 2 a section of ditto taken in the line *w, w*, Fig. 1.

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

This invention relates to an improved means for raising and lowering the shade, substantially as hereinafter described, whereby the shade may be adjusted with greater facility, and more expeditiously than by any of the means hitherto used for the purpose that have passed under my inspection.

The invention consists in having a cord wound around the shaft of the shade roller, and having a circular disk attached to the roller shaft, the disk being used in connection with a clamp which is actuated or adjusted by the manipulation of the cord as to admit of the shade being wound up or lowered and retained at any desired height.

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

A, is a shade roller which may be attached to a window frame B, in the usual way, to wit: the journals *a, a'*, of the shaft of the roller fitted in brackets or bearings C, at the upper part of each stile of the frame. One of the journals *a*, of the roller shaft is considerably larger than the other one, and it has a disk wheel D on it, a sufficient space being allowed between the disk wheel, and the end of the roller to admit of the cord E being wound on it as shown clearly in Fig. 1.

The bracket C, which supports the journal *a*, has a short horizontal bar F, at its lower end, and this bar F, has a vertical slot or recess *b*, made in it, in which the edge of the disk wheel D fits. In the outer end of the bar F, a screw *c*, is fitted, and in the opposite end there is a screw *d*, which has an arm *e* projecting at right angles from its outer end—the end of the arm having a loop or eye through which the cord E passes.

G is the shade which is attached to the

roller A, in the usual or in any proper way. The shade has a rod at its lower end of sufficient weight to unroll the shade if not retained or held by appliances to the roller or its shaft.

The operation is as follows: The cord E, is wound on the journal *a*, when the shade G is unrolled so that the end will be unwound from the journal *a*, in raising the shade and the latter in descending wind up the cord on the journal *a'*, this will be fully understood by referring to Fig. 1. The shade is retained at any desired point through the medium of the screw *d*, and disk wheel D, the screw *d*, being actuated by the cord E, and arm *e*, for instance,—in raising the shade G, the operator in pulling the cord E draws it outward so as to raise the arm *e*, as shown in blue, and thereby turn the screw *d*, so that it will be free from the disk wheel D and the shade roller allowed to rotate under the pull of the cord. When the shade is raised to the desired point, the operator shoves inward the cord, or presses it toward the window, and thereby depresses the arm *e*, of the screw *d*, and cause it to bend against the disk wheel D, and retain the shade roller, or prevent it from turning.

The screw C, it will be seen, merely serves as an adjustable bearing for the disk wheel opposite the screw *d*, to regulate the pressure of screw *d*, and compensate for any wear of the disk wheel, and the ends of the screws in contact with it, and both screws form a clamp to retain, when desired, the disk and shade roller.

By this arrangement a very simple and efficient shade fixture is obtained the shade being raised by a continuous pull of the cord and allowed to descend with a constant movement to the desired point.

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

The disk wheel D, attached to the journal *a*, of the shade roller A, in connection with the clamp constructed substantially as shown and connected with the cord E, which is wound on the journal *a*, of the shade roller, all being arranged to operate as and for the purpose set forth.

EDWARD BROWN.

Witnesses:

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