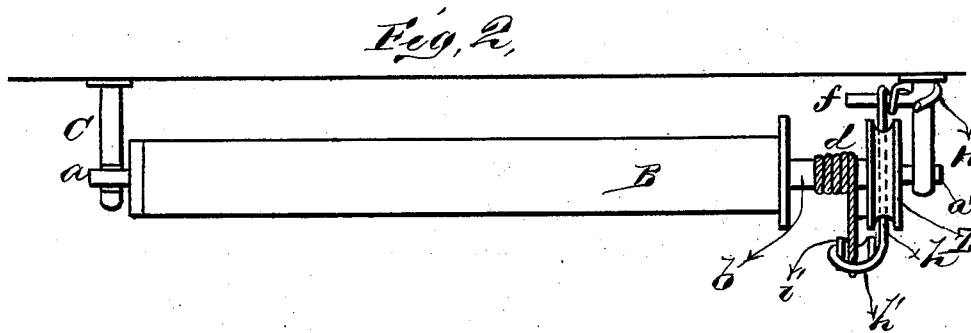
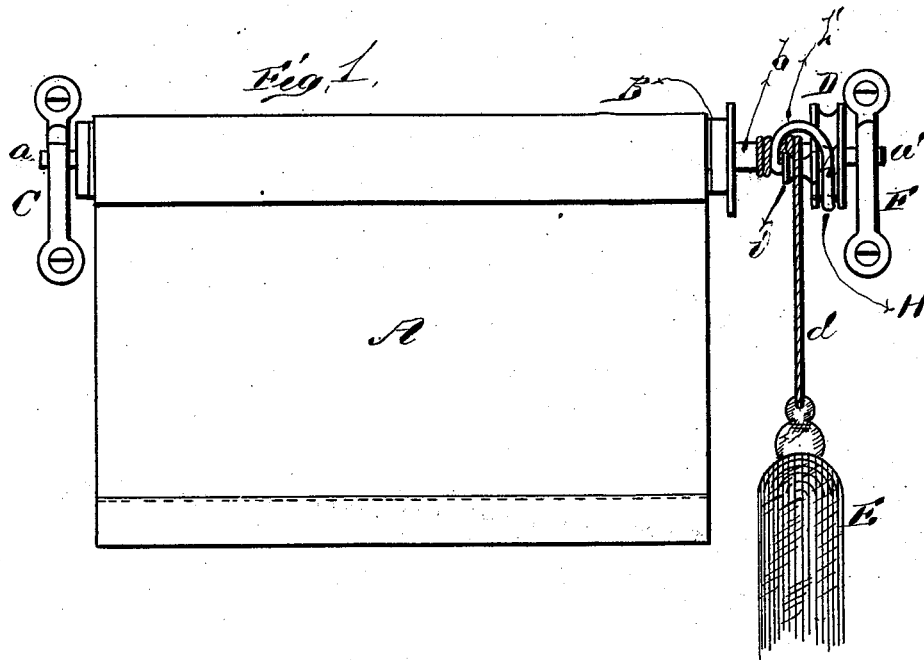


J. GILLMORE.
Curtain-Fixture.

No. 205,073.

Patented June 18, 1878.



WITNESSES
J. H. Bates
James J. Shochy.

INVENTOR.
James Gillmore.
Gillmore, Smith & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES GILLMORE, OF DETROIT, MICHIGAN, ASSIGNOR TO LEANDER S. BUTTERFIELD, OF SAME PLACE.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. **205,073**, dated June 18, 1878; application filed March 23, 1878.

To all whom it may concern:

Be it known that I, JAMES GILLMORE, of Detroit, in the county of Wayne and State of Michigan, have invented a new and valuable Improvement in Curtain-Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of a curtain with my curtain-fixture attached, and Fig. 2 is a plan view thereof.

My invention relates to curtain-fixtures; and it consists in the construction and arrangement of devices whereby the curtain may be held automatically at any point desired, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents a curtain with roller B, of any ordinary construction. At one end the roller B is provided with a pivot, *a*, to be laid in an ordinary curtain-bracket, C. At the other end the roller is provided with a shaft, *b*, having a circumferentially-grooved wheel or pulley, D, formed on or attached thereto, and from this wheel or pulley projects the pivot *a'*. In the shaft *b* is attached the cord *d*, having the tassel E connected to it.

F represents the ordinary spider-bracket, in which the pivot *a'* is placed. This bracket is formed near its upper end with an inwardly-projecting arm, *f*, around which is coiled a spring, H, and secured thereto without the aid of a fastening-screw or other auxiliary fastening device. One end of this spring is turned around the upper end of the bracket, so as to be held rigid when the bracket is fastened in place. The other end of the spring forms an arm, *h*, which passes under the pulley D of roller B and upward in front thereof, said arm *h* lying in the groove on said pulley

and bearing against the same, thus forming a brake.

The upper end of the arm *h* is bent inwardly or outwardly, as shown, and forms a loop, *h'*, through which the cord *d* is passed, and in said loop is mounted a roller, *i*, for the cord to pass over to prevent wearing. The bracket F has the arm *f* cast thereon, thus uniting the parts as a single article of manufacture.

When it is desired to lower the curtain it is only necessary to pull down on the same as far as desired, and it will remain at any point by the friction of the arm *h* on the wheel or pulley D. The pulling down on the curtain winds the cord *d* on the shaft *b*, and by pulling on this cord the curtain will be wound up again.

I am aware that means somewhat resembling mine for operating curtains are shown in the patent of Knapp and Bailey, dated April 26, 1870. I claim nothing illustrated in said patent, but limit myself to the improved construction set forth herein, which consists in forming the bracket and pin *f* in one piece, and constructing and arranging the spring, cord, and pulley in the manner described.

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

The combination, substantially as hereinbefore described, of an ordinary curtain-roller, B, having at one end an extension of the shaft *b*, with the grooved pulley D and operating-cord attached thereto, the ordinary bracket F, with inwardly-projecting arm *f*, and the brake-spring H, attached to arm *f* by coiling, substantially as described, and for the purposes explained.

In testimony that I claim the above I have hereunto subscribed my name in the presence of witnesses.

JAMES GILLMORE.

Witnesses:

ROBERT H. BROWN,
JOHN T. R. BROWN,
FRANK E. BROWN.