

PATENTED

FEB 18 1868

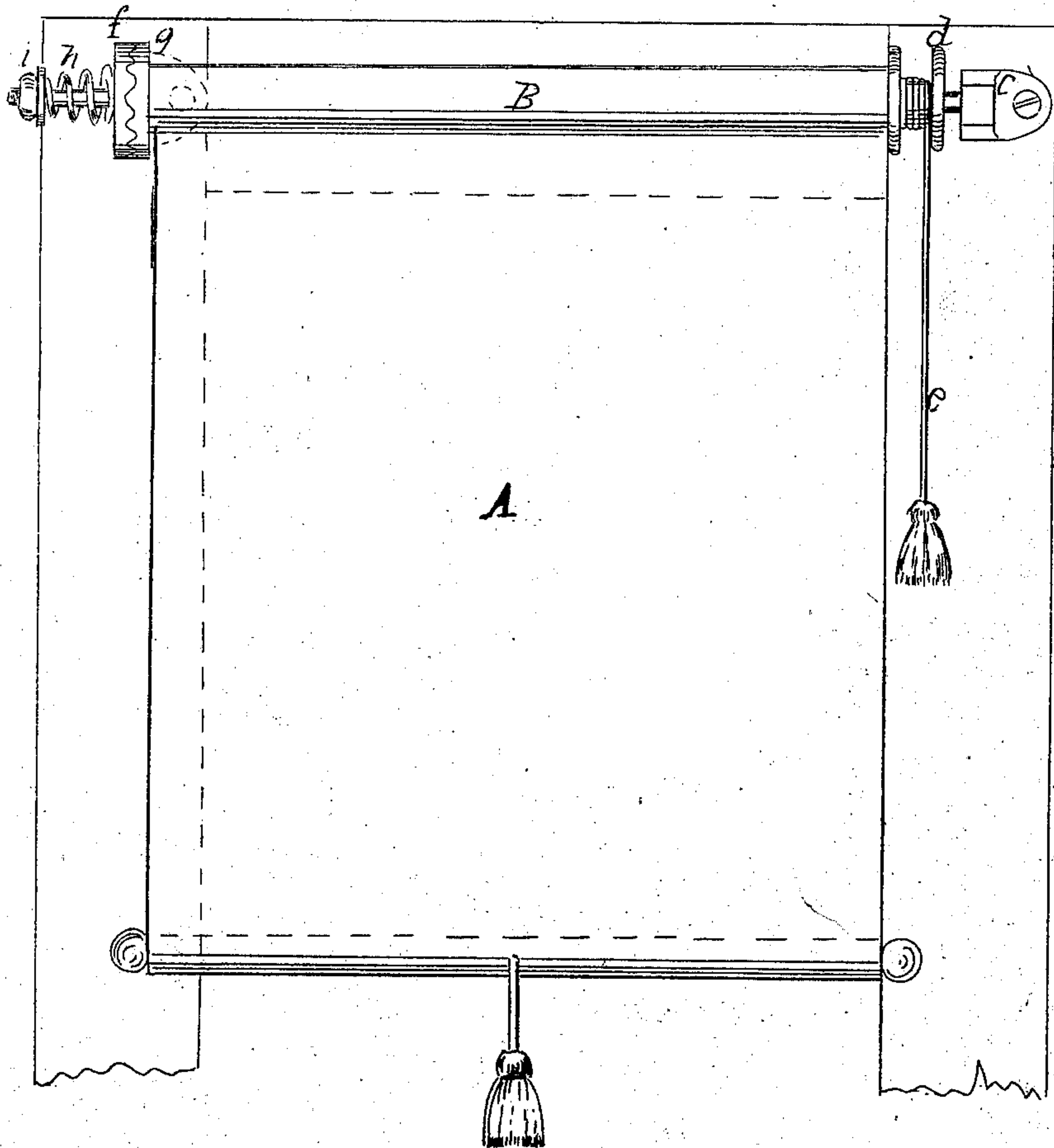
*Curtain Fixture.*

*J. M. CORNS.*

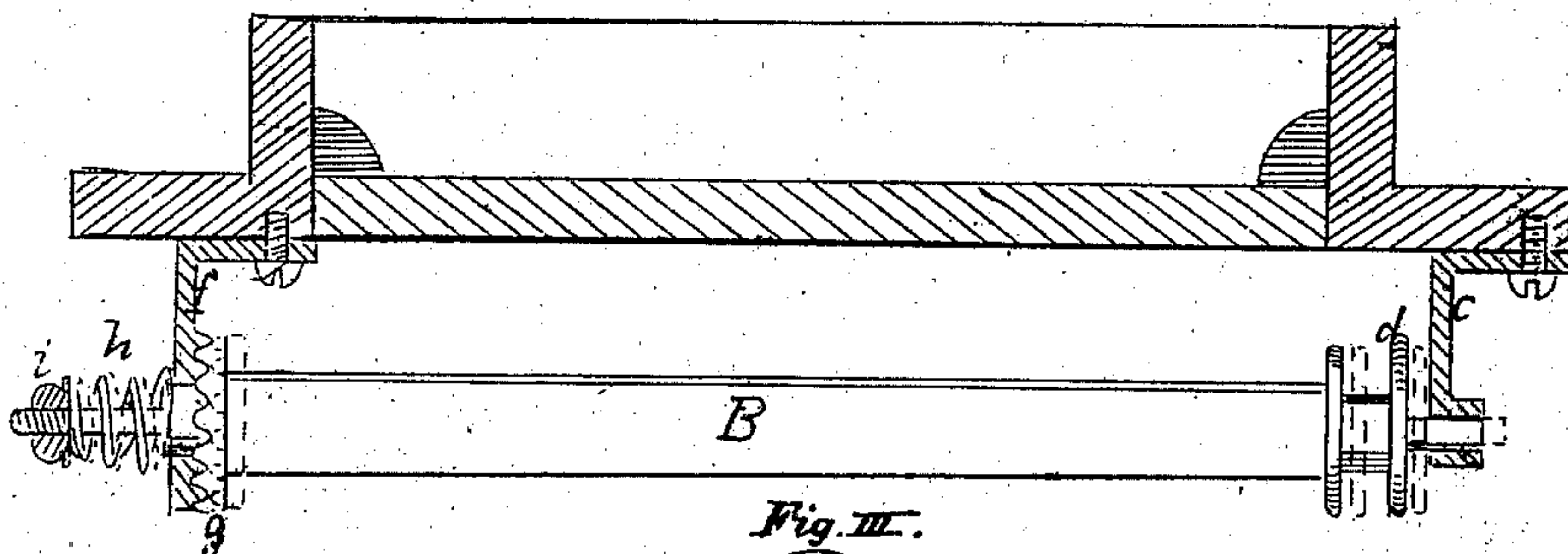
*Black Rock, N.Y.*

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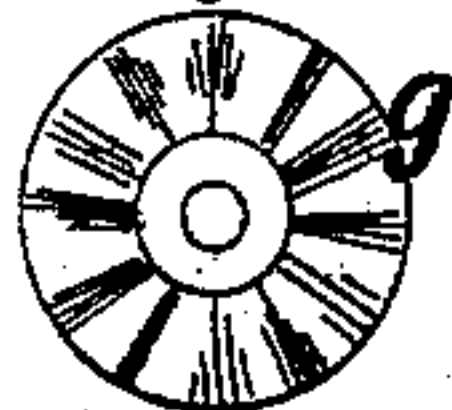
*Fig. I.*



*Fig. II.*



*Fig. III.*



*Edward Wilhelm*  
*G. P. R. Hardy* } *Witnesses*

*J. M. Corns* *Inventor.*  
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# United States Patent Office.

JAMES M. CORNS, OF BLACK ROCK, NEW YORK.

*Letters Patent No. 74,508, dated February 18, 1868.*

## 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, J. M. CORNS, of Black Rock, in the county of Erie, and State of New York, have invented a certain new and useful Improvement in Curtain-Fixtures; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, in which—

Figure I is a front elevation of a curtain provided with my improved fixture.

Figure II is a sectional plan on line *x x*, Fig. I.

Figure III is a face view of the corrugated disk attached to the end of the roller.

Like letters of reference indicate similar parts in all the figures.

The invention consists of a radially-corrugated disk attached to the end of the curtain-roller, in combination with the similarly-formed contiguous face of the bearing at that end, a spiral spring and adjusting-nut, the curtain being sustained at any desired position by the friction between the two corrugated surfaces, which is regulated by means of said springs and nut, substantially as hereinafter shown and described.

In the drawings, *A* represents a shade or curtain; *B*, the roller at the top, around which the curtain is rolled; *c*, the bearing; *d*, the pulley; and *e*, the cord at the one end, by which the curtain is raised or rolled up. At the opposite end, *f* represents the other bearing or support for the roller, which bearing is made with a radially-corrugated roughened face on the side contiguous to a similarly-formed face or disk *g* attached to the end of the roller. The journal of the roller at this end extends beyond the bearing a short distance to afford space for a spiral spring, *h*, around the journal. This spring is compressed by means of a nut, *i*, screwing on the end of the journal, which serves to draw the disk *g* attached to the roller with greater or less force against the contiguous face of the bearing *f*, against which the inner end of the spring presses. By this means the friction between the two roughened surfaces can be easily regulated, which should be sufficient to prevent the weight of the shade causing disk *g* to turn and unroll the curtain.

The curtain is readily raised by pulling on cord *e*, which passes over pulley *d*. It is lowered with equal facility by simply pulling down on the curtain, or tassel attached thereto, with sufficient force to overcome the friction between the faces of *f g*, which can be so regulated by the spring and nut as to require but the least exertion.

The great advantage of my improvement is the ease with which a curtain provided with it can be raised and lowered. It also dispenses with the necessity of attaching a fixture to the side of the window-casing, which always presents a more or less objectionable appearance. It is of a durable nature, and not likely to get out of order, as is the case with most of the other fixtures in use.

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

The radially-corrugated disk *g*, in combination with the similarly-corrugated bearing *f*, spiral spring *h*, nut *i*, and roller *B*, arranged and operating substantially in the manner and for the purpose set forth.

JAMES M. CORNS.

Witnesses:

W. J. CHAMBERLAIN,

V. H. BECKER,