

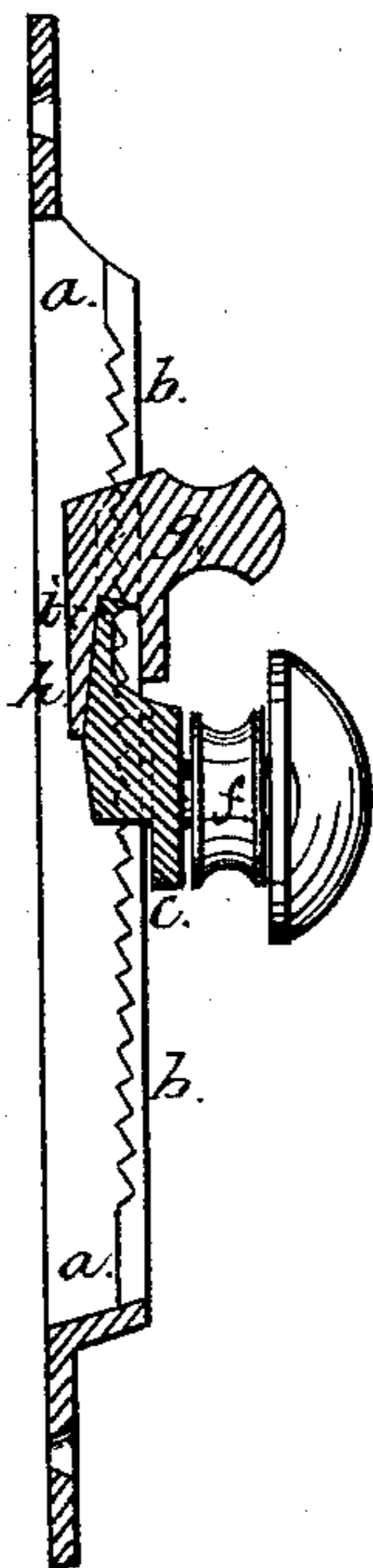
*E. M. Judd,*

*Curtain-Cord Tightener,*

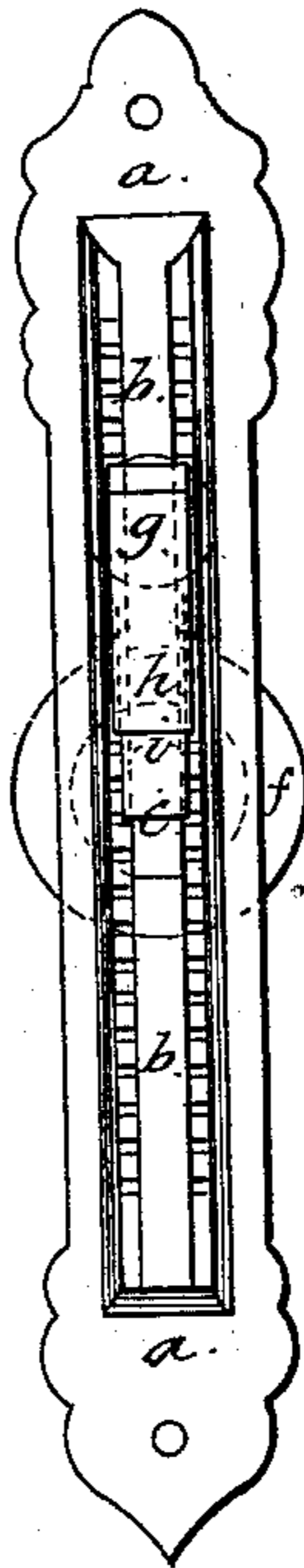
*No 62,635,*

*Patented Mar. 5, 1867.*

*Fig. 1.*



*Fig. 2.*



*Witnesses;*  
*H. L. Judd*  
*Chas. H. Smith*

*Inventor;*  
*E. M. Judd*

# United States Patent Office.

EDWARD M. JUDD, OF WOLCOTTVILLE, CONNECTICUT.

*Letters Patent No. 62,635, dated March 5, 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, EDWARD M. JUDD, of Wolcottville, in the county of Litchfield, and State of Connecticut, have invented, made, and applied to use a certain new and useful improvement in Shade Rack Pulleys; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a vertical section of said pulley and rack; and

Figure 2 is a rear elevation of the same.

Similar marks of reference denote the same parts.

Cord pulleys for curtain fixtures have heretofore been made with a case in which the pulley stock slides, and is held by friction produced by a wedge also fitted to slide in the same stock. This is liable to become jammed and so tightly set that difficulty is experienced in slackening the cord. Other cord pulleys have been made with a rack, and either a spring pawl or a lever pawl, acted upon by the tension of the cord. Both these forms are objectionable on account of the difficulty experienced in slackening the cord when under strain.

The nature of my said invention consists in a stock carrying the sheave or pulley, and having a tooth, taking the teeth of a rack, on the back of the slide, in combination with a sliding clamp that retains the teeth together, and said clamp not acting by friction is always in a condition to be moved with facility, and the teeth, being held together, take all strain, so that the cord of the curtain fixture is retained with the proper tension.

In the drawing, *a* is the slide attached at its ends as usual by nails or screws; *b b* are the teeth on the back edges of the longitudinal slot, in which is entered, from one end, the stock *c*, carrying the sheave or pulley *f*; *i* is the tooth across one end of the stock *c*, taking the teeth *b*. *g* is the clamp, fitted also to slide in *a*, and having an arm, *h*, that passes down behind the tooth *i*, to keep it in contact with the teeth *b*, when the parts have been properly placed to produce the required tension on the cord.

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

The stock *c* of the pulley *f*, having a tooth, *i*, taking the teeth on the inside of the slide *a*, in combination with the sliding clamp *g* for holding said tooth to its place, as set forth.

Dated December 10, A. D. 1866.

E. M. JUDD.

Witnesses:

CHAS. H. SMITH,

GEO. D. WALKER.