

W. H. Betts,

Curtain Fixture.

No. 86,034.

Patented Feb. 9. 1869.

Fig. 1.

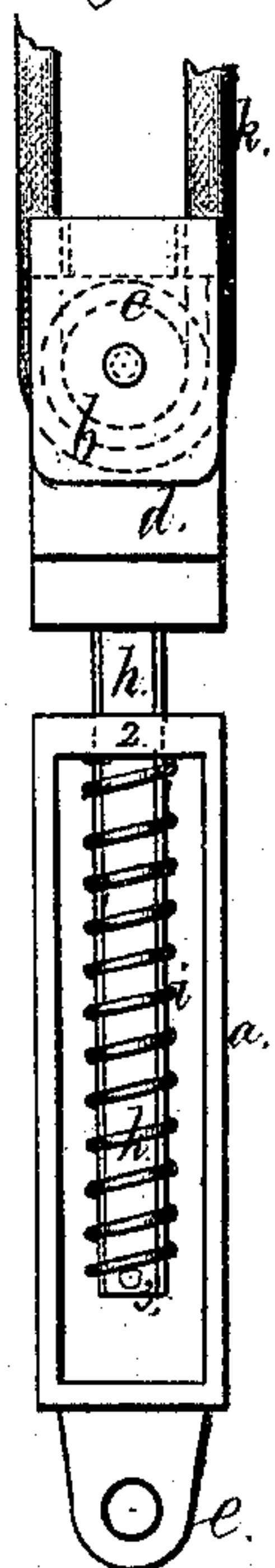
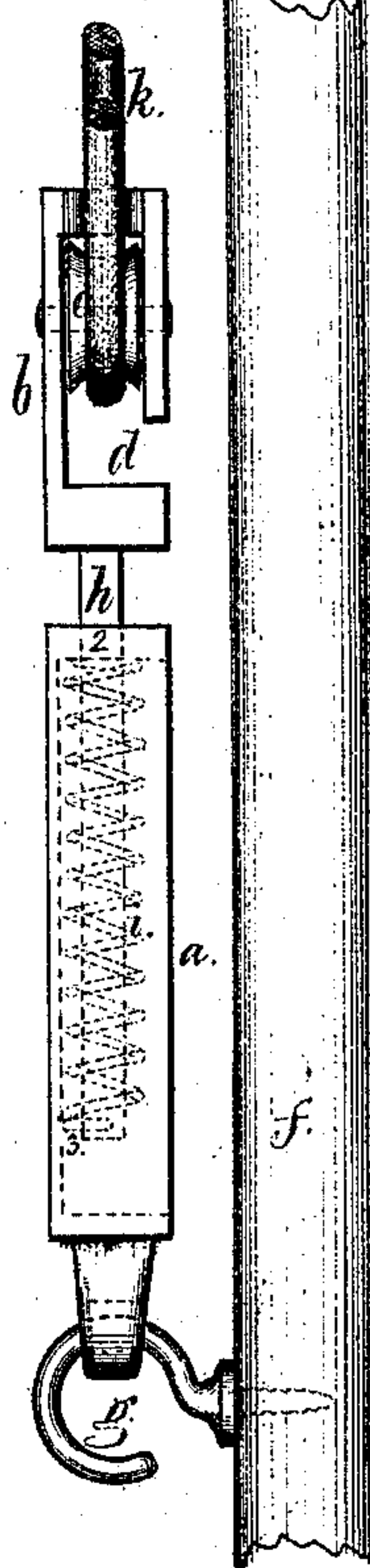


Fig. 2.



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Witness,

Chas. H. Smith

Geo. S. Maier

United States Patent Office.

WILLIAM H. BETTS, OF BROOKLYN, NEW YORK.

Letters Patent No. 86,634, dated February 9, 1869.

IMPROVED CORD-TIGHTENER FOR CURTAINS.

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, WILLIAM H. BETTS, of Brooklyn, in the county of Kings, and State of New York, have invented and made an Improvement in Cord-Tighteners, for Curtain-Fixtures; 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 an elevation of the back of the cord-tightener, and

Figure 2 is a side view of the same.

Similar marks of reference denote the same parts.

Cord-tighteners, for curtain-fixtures, have heretofore been made with a helical spring, to draw upon the pulley around which the cord passes, to keep the necessary tension on the same. These, however, are generally unsightly, and liable to become inoperative from the parts binding upon each other, in consequence of the cord passing off at an angle to the slide carrying the pulley.

The nature of my said invention consists in a cord-tightener, formed of a two-part box. At one end the pulley is introduced, at the other end is an eye, for holding the fastening in place, and allowing it to be drawn properly into line with the cord by the pull of said cord, and in one of the portions of the box the spring is inserted. By this construction, a handsome article is produced, that can be more or less ornamented, the spring is kept out of sight, and the tight-

ener is not liable to become obstructed or inoperative.

In the drawing—

a represents one part of the divided box, and *b* the other part. This latter contains the cord-pulley *c*, and is formed with a mouth at *d*, for facilitating the introduction or removal of the cord.

The box *a* has an eye or hook, *e*, at its lower end, for connecting the tightener to the window-casing *f*, or other point of attachment, a screw-pin or eye being used for this purpose, as at *g*.

A polygonal or flattened rod, *h*, is attached to *b*, and passes through a correspondingly-shaped opening in the end 2, of the box *a*, so as to slide freely therein, but not turn, and around this rod, *h*, is a helical spring, *i*, acting between a head or pin, 3, and the end 2, to keep a proper tension on the cord *k*.

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

The cord-tightener, formed of the portions *a* and *b*, having the pulley *c* and eye *e*, at the respective ends, and connected by the rod *h*, around which is the tightening-spring *i*, the parts being constructed and employed substantially as and for the purposes set forth.

In witness whereof, I have hereunto set my signature, this 9th day of January, 1869.

WM. H. BETTS.

Witnesses:

CHAS. H. SMITH,
GEO. T. PINCKNEY.