

J. S. Lovejoy
Curtain Fixture.

No. 98,508.

Patented Jan. 4. 1870.

Fig. 1.

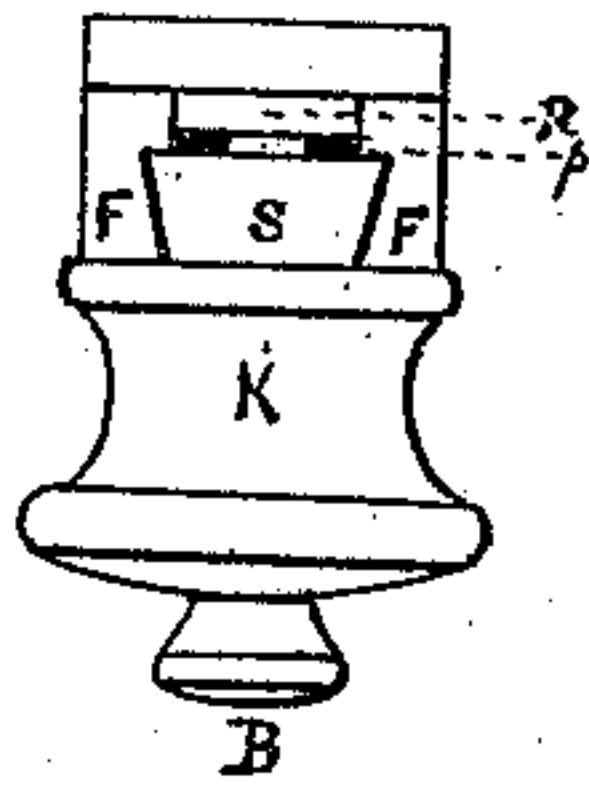


Fig. 2.

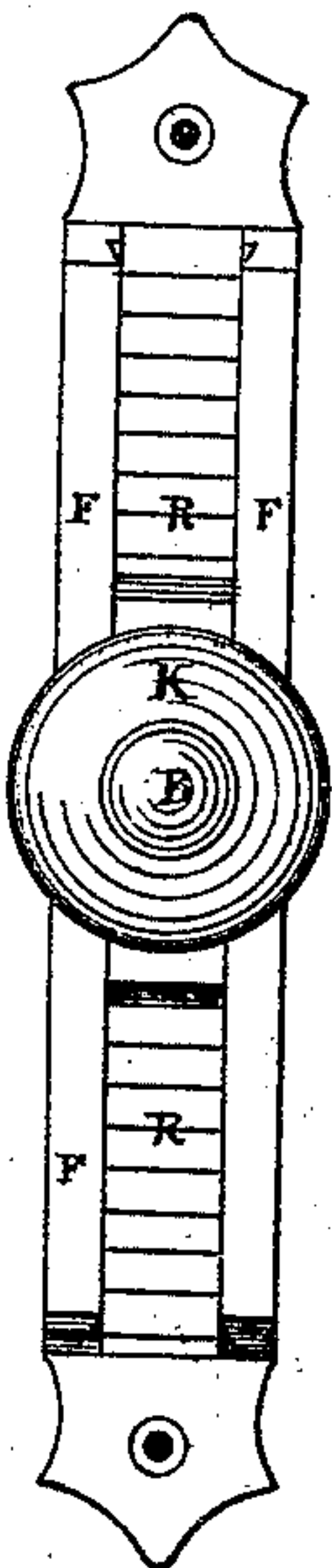
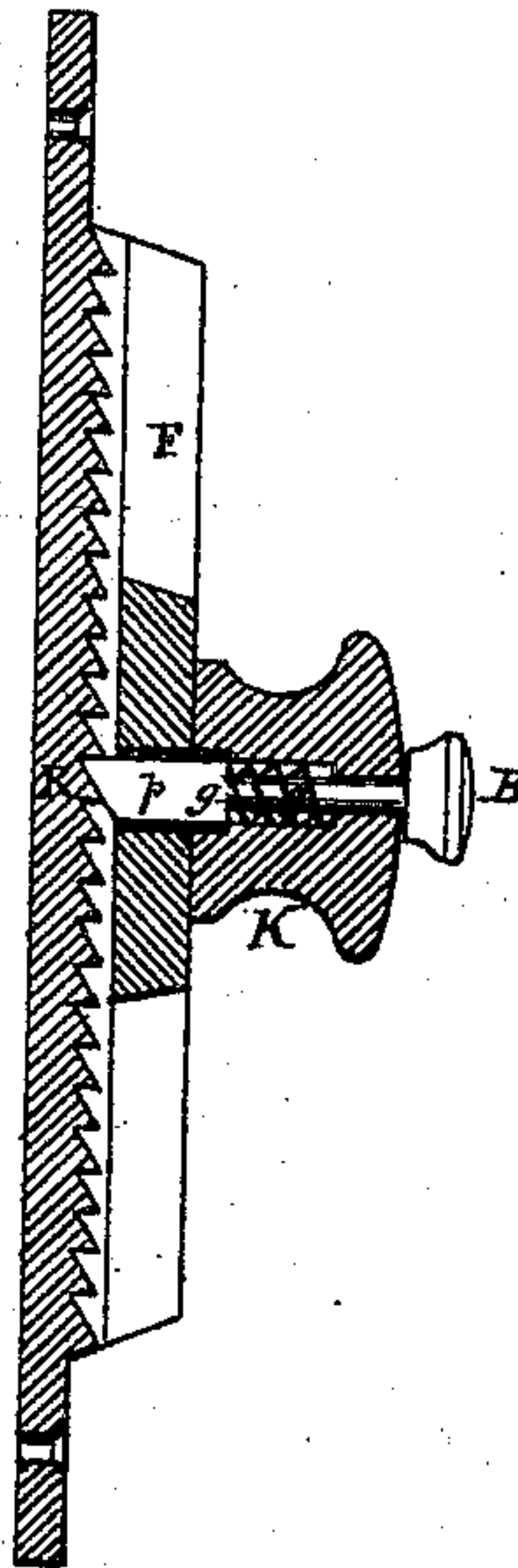


Fig. 3.



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JOHN S. LOVEJOY, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 98,508, dated January 4, 1870.

IMPROVED CURTAIN-FIXTURE.

The Schedule referred to in these Letters Patent and making part of the same.

I, JOHN S. LOVEJOY, of the city of Washington, in the District of Columbia, have invented certain Improvements in Curtain-Fixtures, of which the following is a specification.

The nature of my invention consists in the construction and operation of a new and useful curtain-fixture, the same being improvements in the tightener for the curtain-cord; and

Its object is to provide a simple, cheap, and durable article, that, in its completeness, will meet the requirements of consumers, and obviate the difficulties by common experience known to attend those in general use.

The first and principal part of my invention relates to the regulation and operation of the slide, to which the knob and pulley are attached, by means of a rack on the bottom of the slide-frame, and a pawl and spiral spring, contained within the knob and slide. The spring causes the pawl to act upon the teeth of the ratchet. The pawl's latch-form of end allows the slide a free movement in one direction, and a button attached to its other end, which projects through the top of the knob, affords a means of withdrawing it from the teeth of the ratchet, and gives the slide the power of free movement in the other direction, when desired.

It will be obvious that the first part of my invention may be applied to other forms of slide now in use.

My invention may be constructed of wood, or of any metal now used for the construction of such fixtures.

Figure 1 is an end view of my cord-tightener;

Figure 2 is a top view; and

Figure 3, a vertical longitudinal section of the same.

In the various drawings, the same letter of reference indicates corresponding parts.

F is the slide-frame. Its inner bottom is provided

with the ratchet R. It has a dovetailed groove cut in it, corresponding to and for the purpose of receiving the slide S, which groove is so cut that a shoulder on either side elevates the slide above the ratchet.

Attached to the slide S, its bottom resting and moving upon the frame F, is the knob K, which may be used either with or without a pulley.

The knob K and slide S are perforated, for the reception of the pawl *p* and spiral spring *g*, a shoulder being provided on the pawl for one bearing of the spring, the other end of the spring bearing upon a shoulder in the hole made for the pawl, as shown in fig. 3.

The lower end of the pawl is cut latch-shape, to fit between the teeth of ratchet R, and its upper end has attached to it a button, B, which serves as a handle, to withdraw it from the ratchet.

In fig. 3, it can be seen that the slide S has the power of unobstructed downward movement, the pawl acting upon the ratchet, preventing an upward movement.

By grasping button B, and pulling it from the knob, the pawl is elevated, and the slide allowed a retrograde movement.

Having thus described my cord-tightener,

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

1. A perforated slide and knob, provided with a pawl, *p*, spiral spring *g*, and button B, all constructed substantially as and for the purposes set forth.

2. The combination of the grooved frame F with the dovetailed slide S, knob K, pawl *p*, spring *g*, and button B, when constructed as and for the purposes set forth.

JOHN S. LOVEJOY.

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