

P. Miles,

Curtain-Cord Tightener,

N^o 12,866.

Patented May 15, 1853.

Fig. 2.

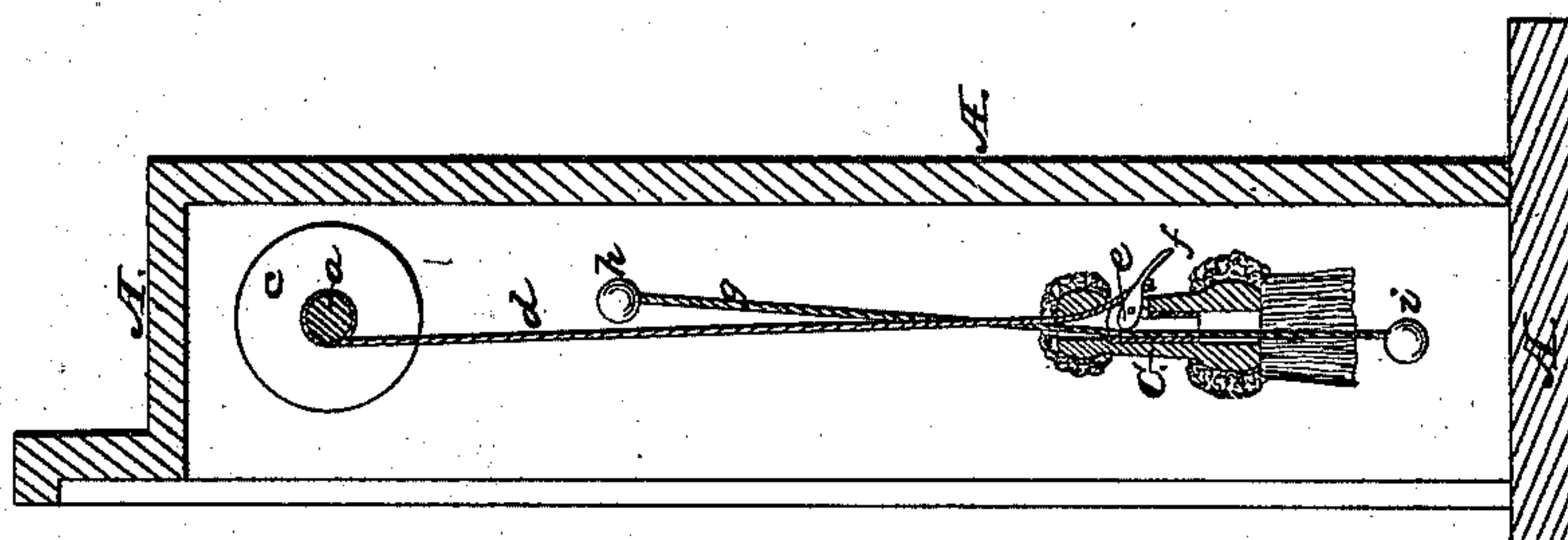
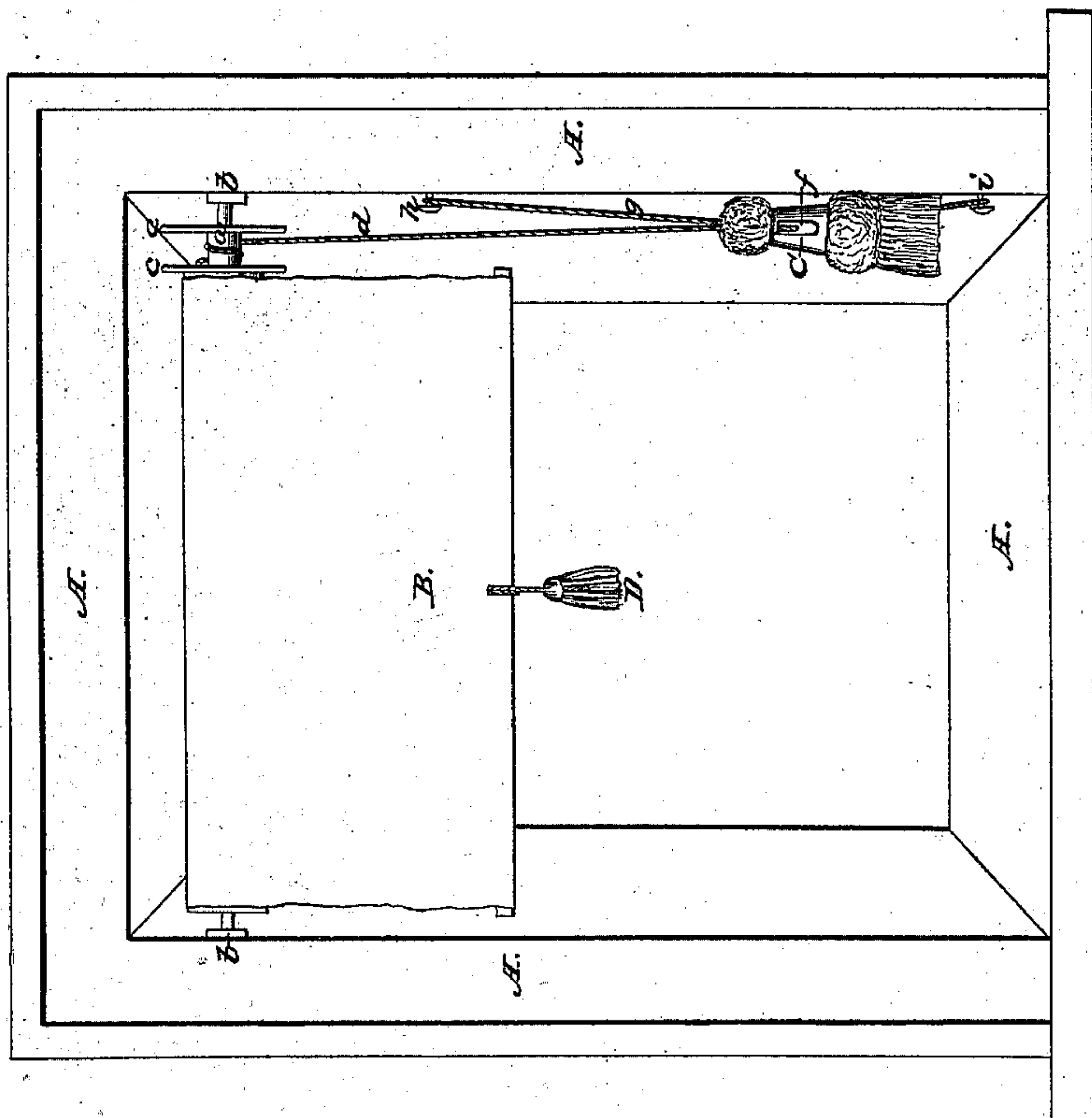


Fig. 1.



UNITED STATES PATENT OFFICE.

PERCHES MILES, OF HARTFORD, CONNECTICUT.

CURTAIN-FIXTURE.

Specification of Letters Patent No. 12,866, dated May 15, 1855.

To all whom it may concern:

Be it known that I, PERCHES MILES, of the city of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Hanging Window-Curtains; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part thereof, in which—

Figure 1 represents a front view of a window frame, with a curtain hung in it, and Fig. 2 represents a vertical transverse section through the frame and tassel, showing the manner of rigging the cords, and controlling them.

Similar letters in the two figures denote like parts.

The nature of my inventions consists in the manner of connecting and controlling the cords and tassel, and the curtain roller, by a cam or catch within the tassel, as will be described.

To enable others skilled in the art to make and use my invention I will proceed to describe the same with reference to the drawings.

A, represents the window frame, and B, the curtain arranged on a roller *a*, whose journals are supported at *b*, in any of the usual well known ways.

c c are flanges on one end of the roller, between which a cord *d* is wound and unwound as the curtain falls or rises.

C, is a tassel the core of which is hollow, and in a slot in the side of said tassel and core is pivoted a cam lever *e*, whose end *f*, projects far enough from the tassel, to be readily pressed by the thumb.

The cord *d*, is attached by one of its ends to the roller *a*, and by its other end to the cam lever *e*, as seen in Fig. 2, said end first passing through the hollow tassel C, and out at the slot in which the cam lever *e* is hung. Another cord *g*, has its upper end fastened at *h*, and then passing entirely through the hollow tassel, has its lower end fastened at *i*. The point *e* of the cam lever, within the tassel presses against this cord *g*, and clamps it there, thus holding the tassel and the curtain through the cord *d*, at any point at which it may be desirable to place it.

In the drawing Fig. 1, the curtain is represented as being partially rolled up. To let it down the tassel C, is taken in the right

hand, with the thumb pressing on the lever at *f*, and then by taking the tassel D, which is attached to the curtain, in the other hand it may be drawn down to any desirable point—the other tassel C, at the same time running up on the cord *g*, by the winding up of the cord *d*, on the curtain roller. Now remove both hands, and the weight of the curtain through the cord *d*, draws the cam lever against the cord *g*, and holds everything firm at that point. To wind up the curtain, the lever is again pressed down, and with the same hand the tassels may be drawn down which unwinds the cord *d*, and in so doing winds up or rolls up the curtain. Whenever the hand is released from the tassel, the tendency of the curtain to drop, draws the cam lever against the cord *g*, and holds the tassel taut, and the curtain also.

The curtain B, may be made to run down of itself by weighting its lower end, either by the strip which passes through its lower end, or by weighting the tassel D, and if found necessary a small spring may be put under the cam lever to throw it up more suddenly when the thumb is removed from it. But this latter will scarcely be found necessary, as the weight of the curtain itself will hold it in position. The tassels are ornamental, and the lever is so entirely concealed in the one C, as not to be seen, while the whole arrangement is simple and effective. The tassel as it is termed, may have its core of wood or metal, and may be ornamented in any other way than by fringe, so long as it retains the cam lever, and is rigged to the roller by the cords as described, the object being by a contrivance simple, and effective to operate and hold the curtain at any desired point, by the means substantially as set forth.

Having thus fully described the nature of my invention what I claim therein as new and desire to secure by Letters Patent, is—

The combination of the cords *d*, *g*, with the tassel, C, and cam lever, the whole being arranged and operating in the manner set forth, for the purpose of making a simple, neat, and effective curtain fixture as described.

PERCHES MILES.

Witnesses:

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