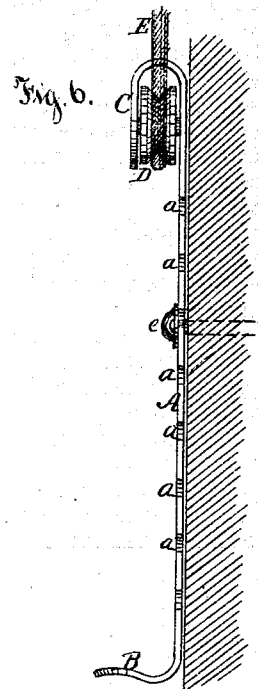
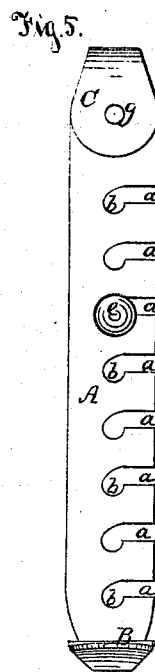
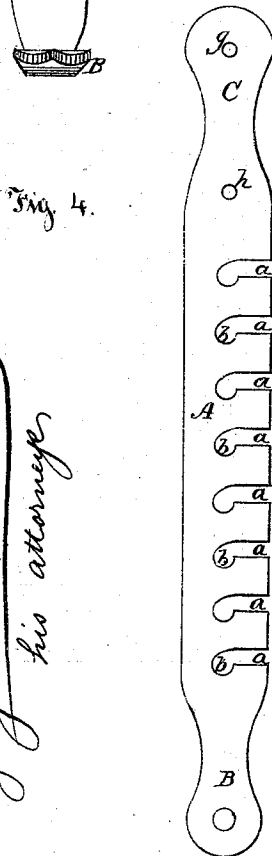
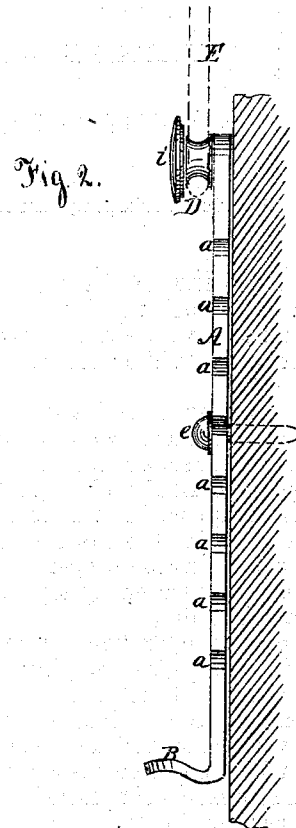
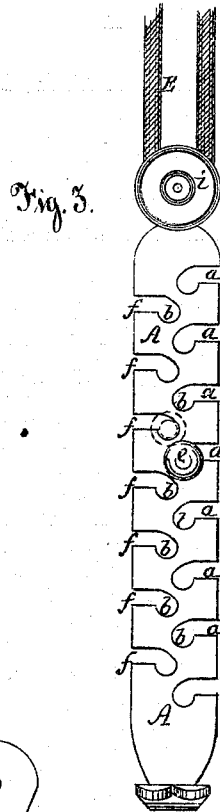
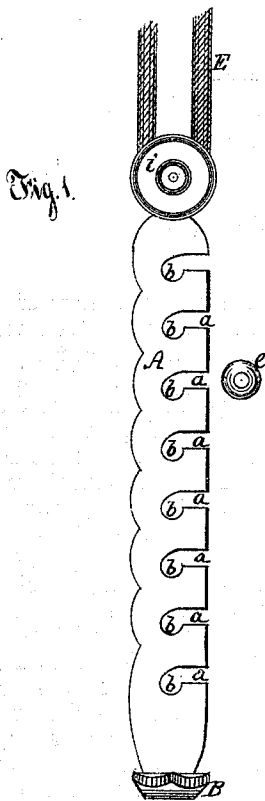


THOMAS N. WEBB.

Improvement in Curtain Fixtures.

No. 122,294.

Patented Dec. 26, 1871.



Inventor,
Thomas N. Webb
by Johnson, Klauke & Co
his attorneys

Witness:
J. West Wagner.
W. P. Taylor

UNITED STATES PATENT OFFICE.

THOMAS N. WEBB, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN CURTAIN FIXTURES.

Specification forming part of Letters Patent No. 122,294, dated December 26, 1871.

I, THOMAS N. WEBB, of the city and county of Baltimore and State of Maryland, have invented certain new and useful Improvements in Curtain-Fixtures, of which the following is a specification:

My invention relates to devices for controlling the tension of the cords of window-shades, and the said invention consists of a single (or double) open slotted plate, carried and suspended by the operating cord of the shade so as to be adjusted laterally with a pin fixed in the frame to maintain the cord always at the proper tension, thus producing a cheap device, easily adjusted and not liable to get out of order.

In the accompanying drawing, Figure 1 represents a front view of the slotted plate suspended by the curtain-cord, and detached from the fixed pin of the window-frame. Fig. 2 represents a side-edge view of the same. Fig. 3 represents a front view of a double slotted suspended holding-plate. Fig. 4 represents the slotted plate as cut in blank from a sheet of metal. Fig. 5 represents a view of the same with its ends upset to form the handle and pulley-support; and Fig. 6 represents a side-edge view of the same.

My improved holder is not attached to the window-frame, but is suspended by the curtain-cord independent of the frame, and adjusted laterally with respect to a fixed pin. This holder consists of a plate, A, cut or struck up from a sheet of metal of the proper thickness, with a series of open slots, *a*, on one or both sides, which terminate inwardly in recesses *b* to receive the shank of a pin, *e*, fixed in the window-frame, and lock the holder laterally with the said pin. The head of the pin *e* must be sufficiently large to prevent the holder from slipping off when the slot *a b* of the latter is adjusted over said pin. The slots are open at the edge of the holder so that the latter may be passed over and detached from the pin sidewise. They are of suitable distances apart, but to obtain a greater degree of adjustment of the holder to suit the tension of the cord

I also form slots *f* in the opposite edge of the holder, so as to be intermediate with the slots of the other edge. This facility for adjustment is of great importance, as it allows at all times the cord to be held sufficiently taut to hold the shade without endangering the breaking of the cord. Another great advantage which I am enabled to obtain by this suspended holder is that it can be detached entirely from the pin and held upon the cord when the shade is down. The handle B by which to adjust the holder and the support C for the axis of the cord-pulley D, are cut in blank, as shown in Fig. 4, and only require to be upset or swaged into form, as shown in Figs. 5 and 6, the holes *g h* serving to receive the axis-pins of the cord-pulley when the end C is bent over so as to bring them opposite. The cord pulley may, however, be secured by a rivet and cap, *i*, as shown in Figs. 1, 2, and 3, if desired. The cord E, by means of which the curtain-roller is operated, is tightened by pressing the handle B of the holder downward, and pushing that slot which is opposite the pin over it until the latter enters the recess *b*, where the tension of the cord will hold it from lateral displacement, while the head of the pin holds the notched plate against the window-frame, as shown in Figs. 2 and 6. In Fig. 3 the slots of one side are shown in line with the solid spaces of the other, and when thus made one or the other side of the plate is slipped over the pin to obtain a smaller change in degree of tension.

Having described my invention, I claim—

An unattached holding-plate, A, carried by the roller-cord E, and having open recessed notches *a b* in the edge or edges thereof, in combination with a fixed pin, *e*, for regulating the tension of the cord, as described.

In testimony whereof I have hereunto set my hand this 31st day of May, A. D. 1871.

Witnesses: THOMAS N. WEBB.

A. E. H. JOHNSON,
J. W. HAMILTON JOHNSON.

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