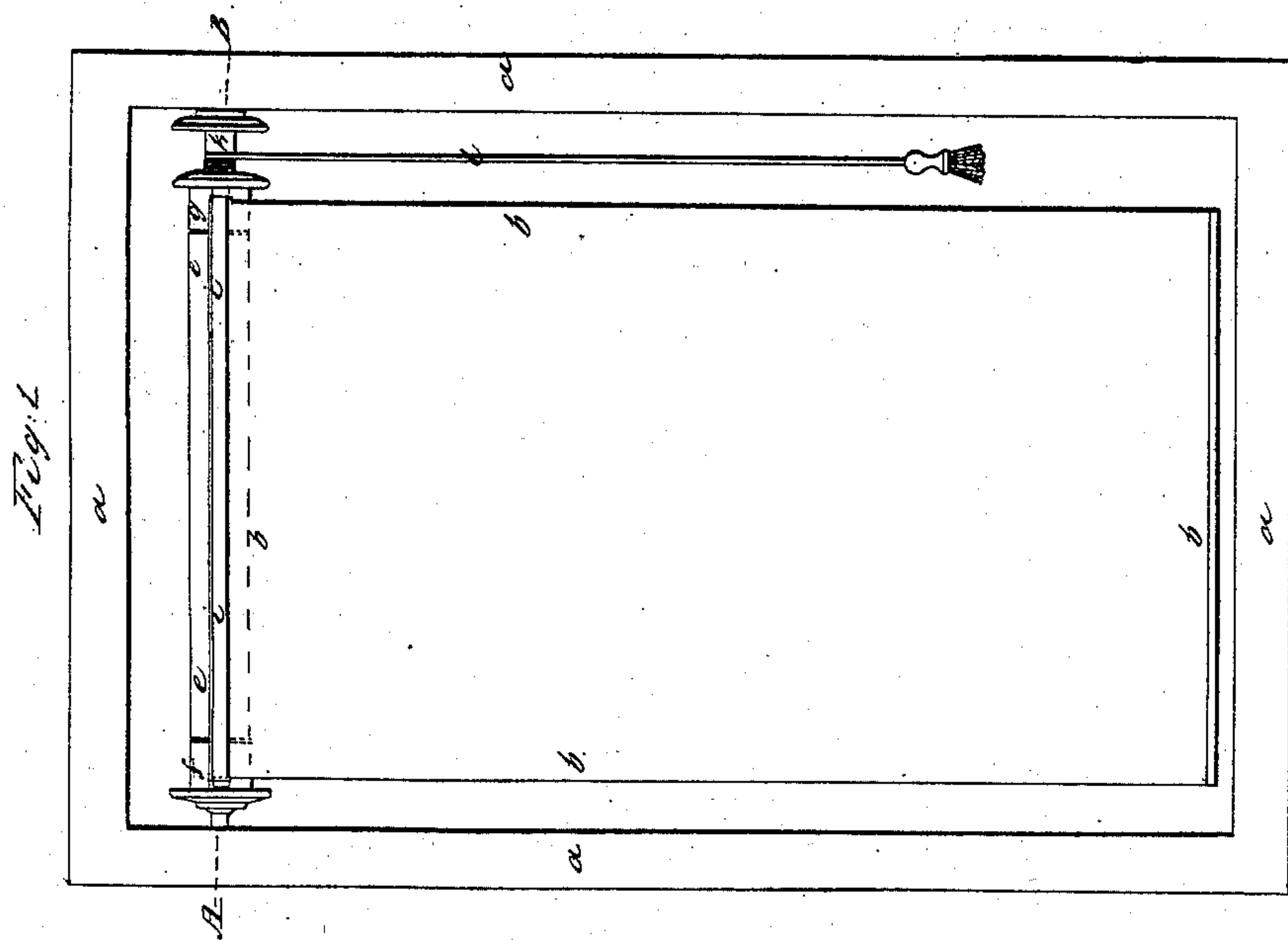
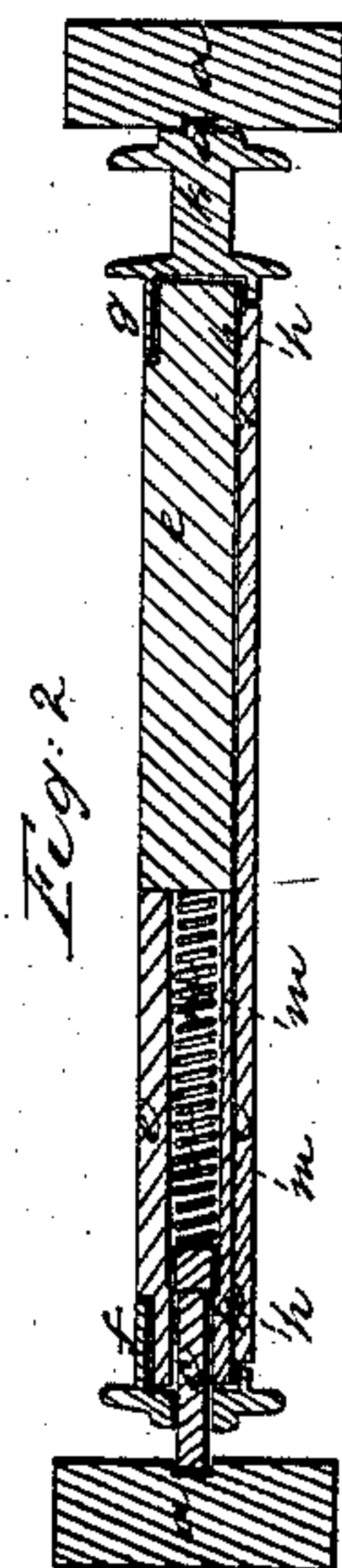


S. S. Putnam,
Curtain Fixture,

N^o 8041.

Patented Apr. 15, 1851.



UNITED STATES PATENT OFFICE.

S. S. PUTNAM, OF BOSTON, MASSACHUSETTS.

WINDOW-CURTAIN FIXTURE.

Specification of Letters Patent No. 8,041, dated April 15, 1851.

To all whom it may concern:

Be it known that I, S. S. PUTNAM, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Window-Curtain Fixtures, and that the following description, taken in connection with the accompanying drawings hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements by which my invention may be distinguished from others of a similar class, together with such parts as I claim and desire to have secured to me by Letters Patent.

The figures of the accompanying plate of drawings represent a window frame with my improved fixtures arranged therein.

Figure 1 is an elevation of the same and Fig. 2 is a horizontal section taken in the plane of the line A—B, Fig. 1.

My improvements have for their object firstly the superseding of the usual balance weight on the raising cord, by friction produced on one journal of the curtain roller by means of a spiral spring arranged as explained in the sequel, and secondarily the fastening of the top of the curtain to the roller by an expeditious mode, without tacking it thereon, so that it can be easily changed for the purpose of being cleaned.

a a a a represents the window frame and *b b b b* the curtain made in the usual way, the former having two steps or bearings for the insertion of the outer ends of the journals *c d* of the curtain roller *e e*. The curtain roller *e e* is of the shape shown in Figs. 1 and 2 and has at each end a cap *f g*, one or both of which may be so arranged as to be easily taken off. A groove *h h* is formed along the whole length of the roller, into which is fitted a long fastening bar *i i* said fastening bar having at each end a proper rabbet or shoulder which slides and fits under said caps *f g*, as shown in Fig. 2 and by dotted lines in Fig. 1. By this arrangement, when the upper end of the curtain is fitted over the groove in the curtain roller and one rabbet of the fastening bar passed under the corresponding cap (the other cap being removed) the said bar may be pressed down into the groove aforesaid with the cloth beneath it, and then by adjusting the

other cap *f* over the corresponding rabbet of the fastening bar the whole will be held firmly together as will be readily understood by inspection of the drawings.

On the side of one of the caps *g* is the usual grooved pulley *k* on which the raising cord *l l* is wound in the usual way.

One end of the curtain roller is bored out to the extent shown in Fig. 2 for the insertion of the spiral spring *m m*, the outer end of which spring presses against the inner end of the movable journal *c* of the curtain roller *e e*. This journal *c* plays freely in a lateral direction through a proper hole formed at the center of the cap and the pressure of the spiral spring upon said journal will create sufficient friction upon its bearing end to hold the curtain stationary in any position in which it may be arranged.

It will be seen that by making the caps of the curtain roller movable and arranging one journal of the same with a spring as described, the apparatus may be adapted to windows of different widths, which is very convenient where parties move about from house to house.

Having thus described my improvements in window curtain fixtures, I shall state my claims as follows: I do not claim generally confining one end of the curtain to the roller on which it is wound and unwound by means of a groove in said roller and a confining strip, but

What I do claim and desire to have secured to me by Letters Patent is—

The method or means hereinabove described of fastening the confining bar in the groove of the roller in which the cloth is pressed; that is, by having the ends of said bar rabbeted as described, and fitting the caps at the ends of said roller over said rabbeted ends of said bar, as above set forth, this arrangement of the caps and bar (the said caps or one of them being loose so as to move laterally but not to revolve the sides of the rabbeted ends of the bar operating as shoulders to prevent a revolution) enables me to adopt my improved fixture to windows of different widths.

S. S. PUTNAM.

Witnesses:

EZRA LINCOLN, Jr.,
SIMEON H. LEWIS.