E. L. LLOYD.

FRAMES FOR CURTAIN-FIXTURES.

No. 181,952. Patented Sept. 5, 1876.

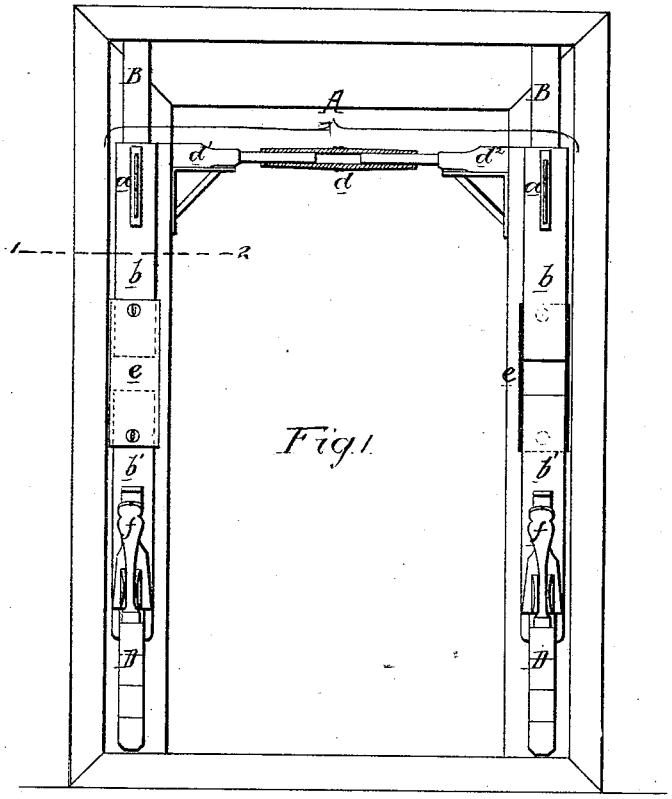


Fig. 1.

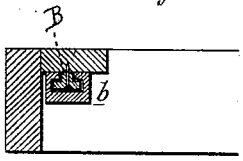


Fig. 2.

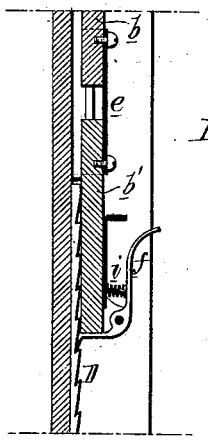


Fig. 3.

Witnesses
Harry Howson Jr
Harry Smith

Edwin L. Lloyd
by his attorneys
Howson and Son

# UNITED STATES PATENT OFFICE.

EDWIN L. LLOYD, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO SAMUEL T. LLOYD, OF SAME PLACE.

## IMPROVEMENT IN FRAMES FOR CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. **181,952**, dated September 5, 1876; application filed March 16, 1876.

*To all whom it may concern:*

Be it known that I, EDWIN L. LLOYD, of Philadelphia, Pennsylvania, have invented an Improvement in Curtain-Fixtures, of which the following is a specification:

My invention relates to certain improvements in the curtain-fixture for which Letters Patent were granted to myself and Samuel T. Lloyd as assignees of H. E. Busch on the 16th day of March, 1875, the objects of my improvements being to so construct the frame carrying the curtain that it can be adapted to windows of different sizes, and can be readily raised or lowered, and held in place after adjustment. These objects I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a front view of my improved curtain-fixture applied to the frame of a window; Fig. 2, a sectional plan on the line 1 2, and Fig. 3 a vertical sectional view of part of one of the side strips of the curtain-carrying frame.

The frame A, which is provided with brackets *a a* for the curtain-roller, consists of two side strips and a cross-bar at the top. In the former patent above mentioned all these parts were rigid, so that each frame was adapted to a window of but one size. This objection I overcome by making each side strip in two sections, *b b'*, connected together by a band, *e*, and by constructing the top cross-bar in three sections, *d*, $d^1$, and $d^2$, the section *d* being tubular, and the sections $d^1$ and $d^2$ attached at one end to the side frames, and adapted at the other to the said tubular section. By separating the sections *b b'* to a greater or less degree, and securing them in position by the band *e*, each of the side strips can be lengthened or shortened, as desired, and by means of the adjustable cross-bar the side strips can be set apart, so as to adapt the frame to windows of any width. B B are T-shaped strips, secured to the main frame of the window, and embraced by the side strips *b b'* of the curtain-carrying frame, which they guide in their vertical movement. At the bottom of each side of the window-frame are notched strips D, to which are adapted the lower ends of levers *f*, hung to brackets on the side strips *b*, the long arms of the levers being so acted upon by springs *i* that their lower ends are always pressed firmly against the notched strips D.

By pressing upon the upper ends of the levers *f*, their lower ends are withdrawn from contact with the notched strips, and the frame A can then be raised or lowered, so as to expose more or less of the upper portion of the window, as desired, the frame being retained in any position to which it may be adjusted by removing the pressure from the upper ends of the levers *f*, thus permitting their lower ends to engage with the notches of the strips D.

Either spring-rollers or rollers operated by a cord may be used in connection with the frame.

I claim as my invention—

1. A curtain-carrying frame for windows in which a laterally-adjustable cross-bar at the top is combined with side strips made in sections adjustable vertically, as set forth.

2. The combination of the vertically-adjustable curtain-carrying frame and its spring-levers *f f* with the notched strips D D, secured to the window-frame, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWIN L. LLOYD.

Witnesses:
HARRY HOWSON, Jr.,
HARRY SMITH.