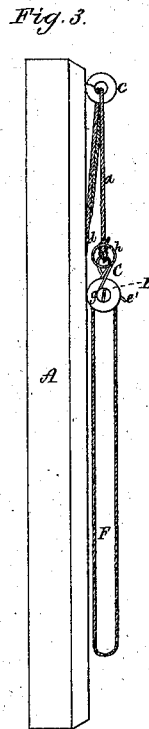
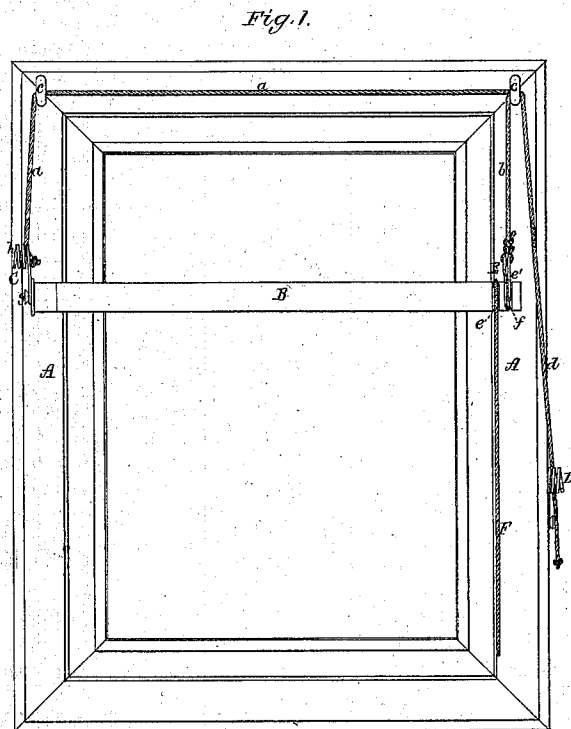
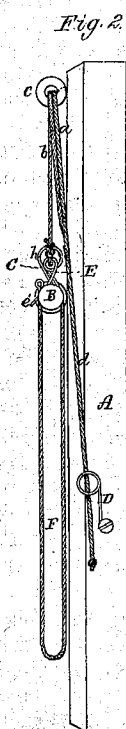


WILLIAM C. WILCOX.
Improvement in Curtain Fixtures.

No. 115,402.

Patented May 30, 1871.



Witnesses
S. A. Piper
L. N. Moore

Wm. C. Wilcox
by his attorney.
R. H. Eddy

UNITED STATES PATENT OFFICE.

WILLIAM C. WILCOX, OF WALTHAM, MASSACHUSETTS.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. 115,402, dated May 30, 1871.

To all persons to whom these presents may come:

Be it known that I, WILLIAM C. WILCOX, of Waltham, of the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Window-Shade or Curtain-Fixtures; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a front view, and Figs. 2 and 3 opposite side elevations of a window-frame and my improved curtain-fixtures applied thereto.

The purposes of the invention are to enable the curtain-roller to be adjusted or raised or lowered at one end, to be lowered bodily, to be revolved as occasion may require, and to be prevented from revolving at other times, and while subjected to the weight of the curtain or shade.

In the drawing, A denotes the window-frame, and B the curtain-roller, the latter being suspended by two lines, *a b*, going through the staples or eyes *c c* and branching from one line, *d*. The curtain-roller, at or near one end, is provided with two grooves, *e f*, and at the other it has a journal, *g*. A wire, C, is pivoted to the said journal, and bent in a helix, as shown at *h*. Another such wire, D, is also pivoted to one edge of the window-frame, as shown, the latter wire serving to hold the raising cord or line *d*, which, by being drawn between two next adjacent coils of the wire, will be nipped and held by them. The wire

C serves to hold the line *a*, which is run between the coils of the helix and held by them by grasping it on opposite sides. It may be drawn through the helix so as to adjust the roller to a horizontal position or one such as may be necessary to cause such roller to bring the curtain into its proper relation with the window. The grooved end of the roller rests in a hook, E, provided with an elastic tongue or brake, *e'*, to rest on the top of the groove of the roller, such hook and brake being formed in one piece of wire, bent in manner as shown in Figs. 4 and 5, the first of which figures exhibits a side view, and the second a front view of the hook and brake. The said brake serves to keep the curtain-roller from revolving under the inherent weight of the curtain. The endless line F, for revolving the roller for causing it to wind up the curtain, runs in the inner groove of the roller, the supporting-hook resting on the outer groove thereof. By means of the supporting-lines, the curtain-roller, with the curtain, may be lowered to any desirable extent, and be supported at any altitude by hitching the main line between the coils of the holder D.

I claim as my invention the following, viz:

The hook E, as made and provided with the elastic tongue or spring-brake *e'*, as described and shown.

WILLIAM C. WILCOX.

Witnesses:

R. H. EDDY,
S. N. PIPER.