Alvan Studley's Improved Curtain Fixture.

75072

PATENTED
MAR 3 1868

Fig. 1.

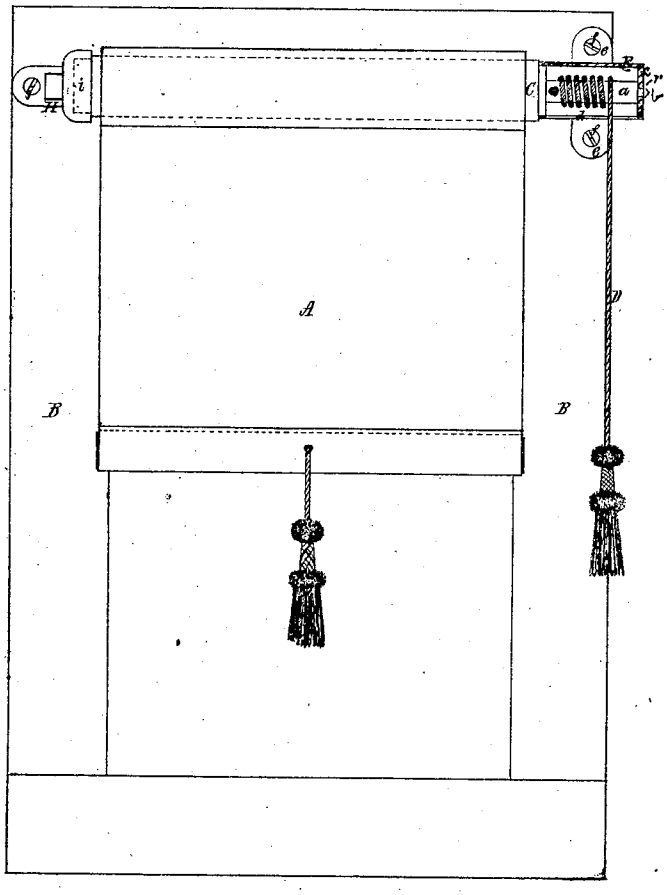
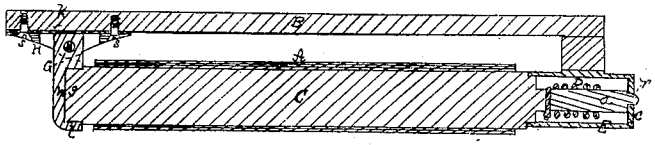


Fig. 2.



Witnesses

S. N. Piper.

J. R. Snow.

A. Studley.

by his attorney.

R. H. Eddy

United States Patent Office.

ALVAN STUDLEY, OF NATICK, MASSACHUSETTS.

Letters Patent No. 75,072, *dated March* 3, 1868.

IMPROVED CURTAIN-FIXTURE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, ALVAN STUDLEY, of Natick, in the county of Middlesex, and State of Massachusetts, have made a new and useful invention, having reference to Curtain or Window-Shade Fixtures; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a front elevation of a window-curtain or shade having my improved fixtures, and being applied to a window-frame.

Figure 2 is a horizontal section, taken through the curtain-roller and its supports.

In such drawings, A denotes the curtain or shade, B the window-frame, C the curtain-roller, and D the cord for revolving the roller for the purpose of winding the said curtain or shade thereupon. The said cord has one end fastened to a cylindrical barrel, *a*, projecting from the roller, and being of a diameter somewhat less than that of the roller. This barrel extends concentrically into a cylindrical case, E, and has a small journal, *b*, to enter and turn in a hole or bearing, *r*, made in the head, *c*, of such case. The said case has a long slot, *d*, made through it at bottom, and also has arms, *e e*, projecting from it, through which screws *f f* pass, for securing the case or its arms to the window-frame. The cord D passes through the slot, the case and slot serving to guide the cord, and prevent its coils from overriding, and also from becoming wedged at the extremities of the barrel. The other end of the curtain-roller is provided with a journal, *g*, to enter a bearing or cylindrical cavity, *h*, formed in the head, *i*, of a turning-arm, G, such arm being hinged to a carrier or supporter, H, so as to be capable of being turned horizontally. At its inner end it works against a spring, *k*, fixed in the carrier, and arranged therein and with respect to the arm, in manner as exhibited in fig. 2. The spring serves to hold the arm and bearing in their normal positions with respect to the journal of the curtain-roller. The carrier is to be fastened to the window-frame by screws, *s s*, or other proper devices.

By turning the arm and bearing back, away from the end of the roller, the bearing will be moved out of connection with the roller, so as to enable the latter to be withdrawn from the other bearing, or inserted therein, as occasion may require, whether to take down or put up the curtain and its roller.

I am aware that a journal of a curtain-roller has been arranged so as not only to slide endwise in a socket made in the roller, but against a helical spring placed in such socket. I therefore make no claim to such; but

What I claim as my invention in the curtain-fixture hereinbefore mentioned is as follows, viz:

1. I claim a socketed head, *i*, jointed or hinged so as to be capable of being turned laterally against and be held in place by a spring, *k*.

2. I claim the window-curtain-roller end-bearing, as composed of the cylindrically-socketed head *i*, the arm G, the spring *k*, and the carrier H, arranged so as to be applied to the curtain-roller and window-frame, and to operate with respect to the roller substantially as specified.

3. I also claim the combination of the cylindrical case E, having a bearing, *r*, at its outer end, with the roller C, having a shoulder, *x*, for the inner end of the case to rest against, and a journal, *g*, to enter the bearing or socket *h* of the head, *i*.

4. I also claim the combination of the cylindrical journal and roller with a pivoted or hinged socket, to move laterally, substantially as and for the purpose described.

ALVAN STUDLEY.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.