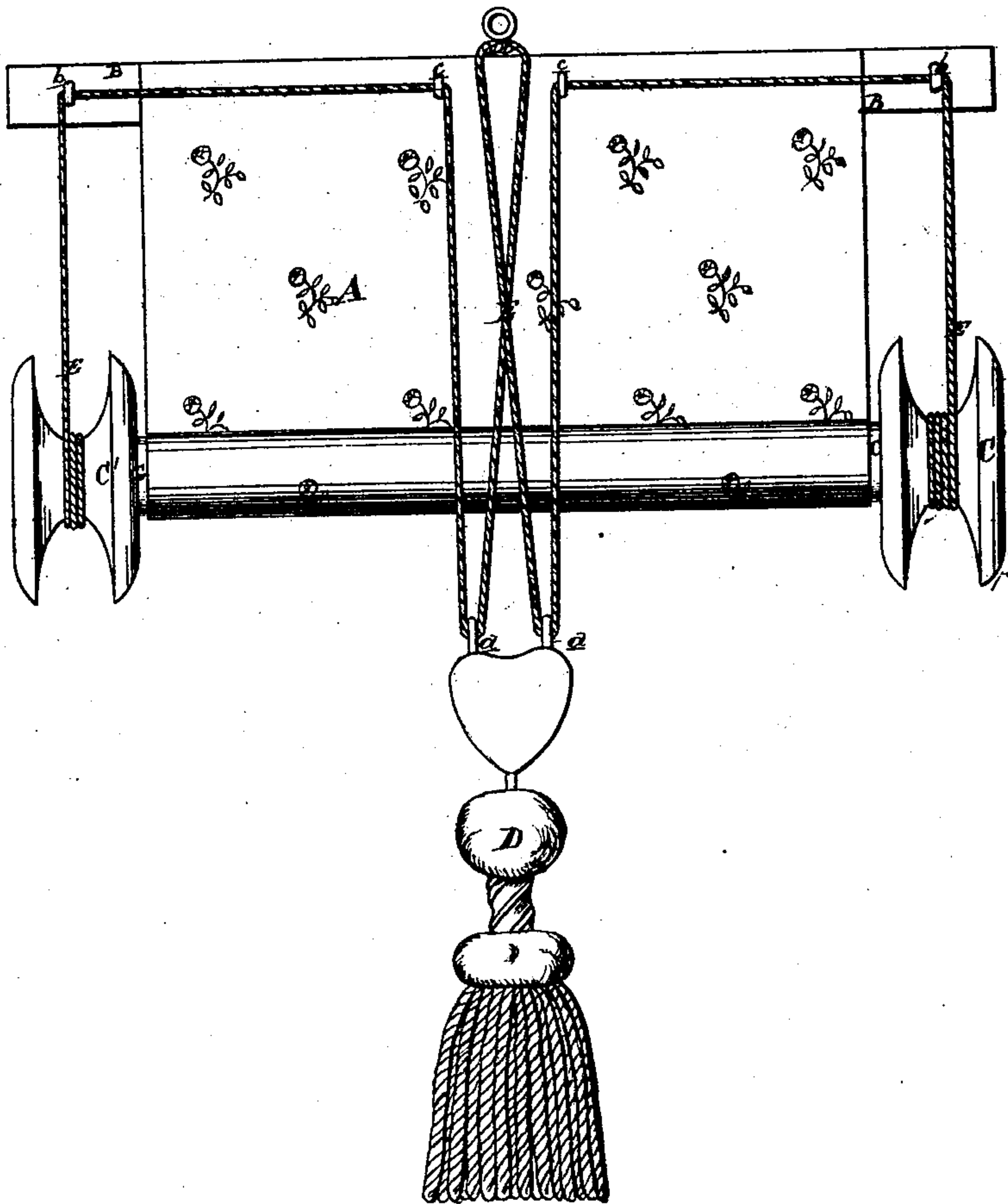


R. Beal,

Curtain Fixture.

No. 108752.

Patented Nov. 1. 1870.



Attest.

Frederick Eberts
Patrick F. Barry

Inventor.

R. Beal.
per atty
John E. Sprague

United States Patent Office.

RICHARD BEAL, OF COMMERCE, MICHIGAN.

Letters Patent No. 108,752, dated November 1, 1870.

IMPROVEMENT IN CURTAIN-FIXTURES.

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

To whom it may concern :

Be it known that I, RICHARD BEAL, of Commerce, in the county of Oakland and State of Michigan, have invented a new and useful Improvement in a Window-curtain Fixture; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, and being a part of this specification.

The nature of this invention relates to an improved method of operating window-curtains or shades, and consists in the peculiar arrangement of a pair of cords in certain pulleys or eye-bolts secured to the top of the window, and to a weighted tassel, in such a manner that the curtain is rolled up on a shaft at its lower end, while the tassel will have a vertical movement within the height of the window, thereby keeping it clear of the floor when the curtain is rolled up, and out of the reach of children.

In the drawing, which is an elevation of a shade provided with my fixture—

A represents a window-curtain or shade, attached at its top to a slat, B, properly secured to the top of the window-frame.

C is a shaft or roller, to which the lower edge of the shade is tacked or otherwise secured.

C' is a grooved pulley or spool at each end of the roller.

D is a tassel, sufficiently weighted to serve as a counter-balance to the roller.

At the top of the tassel is a pair of eye-bolts, *a*.

The curtain being put up, and the roller dropped to the full length of the curtain, a cord, E, is made fast

at one end to each of the spools C', and several turns taken around them.

The other ends of the cords are now led up through eye-bolts *b*, at the upper corners of the window or top slat, thence toward and through other eye-bolts, *c*, at the center of the top slat, thence down and through the eye-bolts *a* in the tassel, thence up to the top slat, at the center, where they are secured.

The cords should be of such length that the tassel should now hang at or near the top of the shade.

Now, it will be seen that, by pulling down the tassel, the roller will be turned by the unwinding of the cord, wound on its spools, and rolled up with it as it rises, the tassel traveling only the same distance that does the roller, which is held up by the weight of the tassel.

If preferred, the eye-bolts may be replaced by metallic pulley-blocks.

By this arrangement of the cords and eye-bolts, the tassel and cord do not trail over the floor of the apartment when the shade is rolled up, requiring the latter to be triced up, as is the case with other fixtures of a somewhat similar character now in use, and the invention whereof I expressly disclaim; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

The arrangement of the eye-bolts *a b c* and cords E, with relation to the spools C' of the roller C, attached to the lower edge of a window-shade, and a weighted tassel, D, as and for the purpose set forth.

Witnesses:

RICHARD BEAL.

FREDERICK EBERTS,
PATRICK F. BARRY.