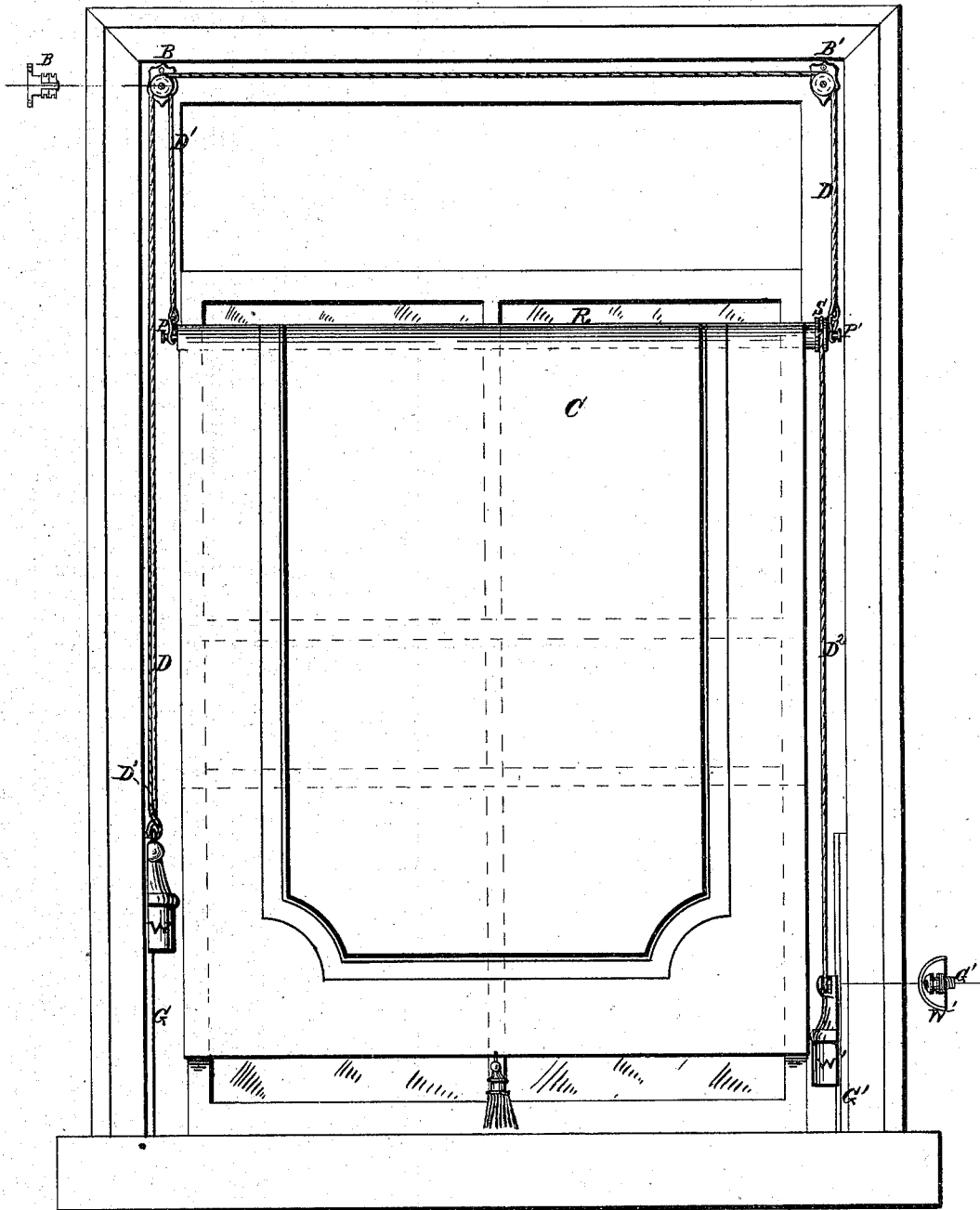


A. N. HALLOWELL & H. S. RUE.
Improvement in Curtain-Fixtures.

No. 131,753.

Patented Oct. 1, 1872.



WITNESSES.

Thos. J. [unclear]
Isaac [unclear]

Albert N. Hallowell
Harvey S. Rue
By their Attorney
Isaac R. Oakford,

UNITED STATES PATENT OFFICE.

ALBERT N. HALLOWELL AND HARVEY S. RUE, OF PHILADELPHIA, PA.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. 131,753, dated October 1, 1872.

To all whom it may concern:

Be it known that we, ALBERT N. HALLOWELL and HARVEY S. RUE, both of the city and county of Philadelphia, and State of Pennsylvania, have invented a certain Improvement in Curtain-Fixtures, of which the following is a specification:

Our invention consists in arranging cords and weights to a window-curtain in such a manner as to permit the roller upon which the shade is wound to be lowered any desired distance below the upper part of the window-frame, for the admission of light through the upper portion of the sash, or for ventilation when the sash is lowered. The arrangement of the cords and weights is also such that the curtain can be raised from the bottom of the window-frame in the usual manner.

The accompanying drawing represents a front elevation of our improvement in curtain-fixtures.

The roller R, carrying the curtain C, is suspended from the upper part of the window-frame by means of cords D and D', passed over sheaves, which are supported upon brackets B and B'. The dependent ends of the cords D and D' are provided with rings or links, which are passed over suitable pivots P and P', secured in the ends of the roller. The cord D, which supports one end of the roller R, leads over the sheaves on the brackets B and B', and down on the left-hand side of the window frame, and has a weight, W, attached to it. The cord D¹, which supports the

opposite end of the roller, leads over the second sheave on the bracket B—this bracket being provided with two sheaves—and is also attached to the weight W. This weight slides vertically, in lowering and raising the curtain, upon a suitable guide, G, secured to the side of the window-frame, and is sufficiently heavy to balance the roller, curtain, and a weight, W', connected with the endless or elevating cord D². The cord D², which operates the roller, passes over sheave S, secured to the roller, and over a sheave in the weight W'. This weight moves upon a guide, G', similar to the guide G, and maintains the proper tension at all times upon the cord.

What we claim as our invention is—

The combination of the curtain C, roller R, pivots P and P', cords D and D¹, brackets and sheaves B and B', weight W, and guide G, with the weight W', guide G', sheave S, and elevating-cord D², for the purpose of lowering and supporting the curtain-roller any desired distance below the upper part of the window-frame, and maintaining the proper tension at all times upon the elevating-cord, substantially as herein set forth and shown.

The above specification of our said invention signed and witnessed at Philadelphia this 14th day of December, A. D. 1871.

ALBERT N. HALLOWELL.
HARVEY S. RUE.

Witnesses:

JOHN CLOUDS,
LUKE V. SUTPHIN.