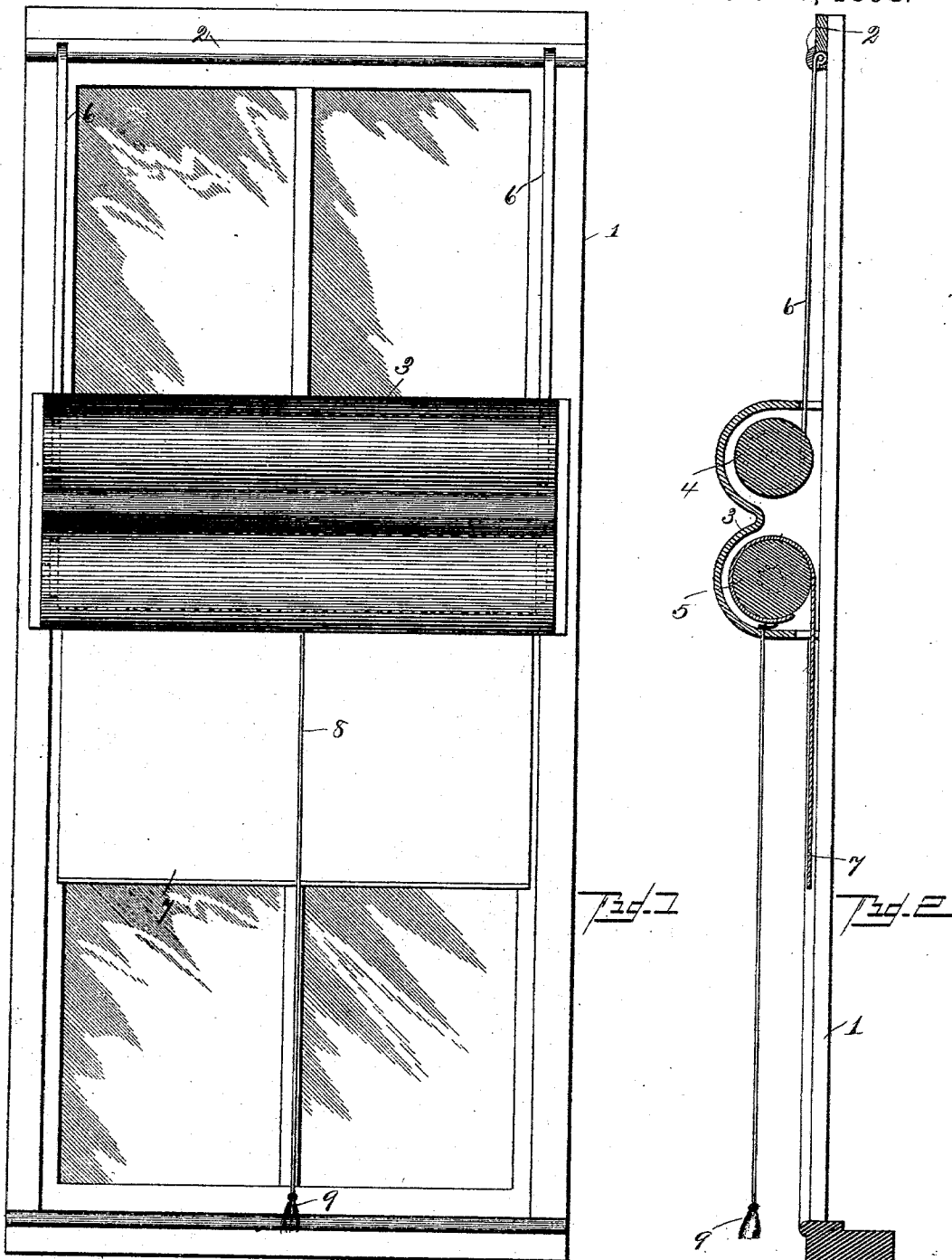


(No Model.)

M. D. MILLER & B. H. OLDFIELD.
CURTAIN FIXTURE.

No. 514,564.

Patented Feb. 13, 1894.



Witnesses

E. J. Myers
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UNITED STATES PATENT OFFICE.

MARTIN D. MILLER AND BENJAMIN H. OLDFIELD, OF LEAVENWORTH,
KANSAS.

CURTAIN-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 514,564, dated February 13, 1894.

Application filed June 13, 1891. Serial No. 396,183. (No model.)

To all whom it may concern:

Be it known that we, MARTIN D. MILLER and BENJAMIN H. OLDFIELD, citizens of the United States, residing at Leavenworth, in the county of Leavenworth and State of Kansas, have invented certain new and useful Improvements in Curtain-Fixtures; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention consists in certain new and useful improvements in curtain fixtures, by means of which the entire curtain can be lowered from the top of the window when the upper window sash is to be lowered in order to give a free draft from the upper part of the window, and, when it is desired, to allow the light to enter through the upper part of the window, and at the same time prevent the sun from entering the room from the lower part thereof.

In the accompanying drawings: Figure 1, is a front elevation of a window frame with our improved curtain fixture arranged thereon; and Fig. 2, is a central vertical section thereof.

Referring to the figures on the drawings: 1 indicates a window frame provided with a molding 2.

3 indicates a casing movable upon the window frame, in which are mounted spring rollers 4 and 5, the resistance of the roller 4 being somewhat greater than that of the roller 5.

6 indicates straps secured to and wound upon each of the ends, respectively, of the roller 4, and secured at their opposite ends to the molding.

7 indicates a shade upon the roller 5, and 8 a pull cord provided with a handle 9 secured to and depending from the casing whereby its position upon the frame may be properly adjusted.

In order to raise or lower the entire curtain, to leave as much space above it as desired, it is only necessary to pull down on handle 9 to

lower the curtain, thus unwinding the straps 6 from the roller 4, or to give a slight downward pull on the said handle the spring roller winding up the straps, and thus raising the casing and the upper end of the curtain 7 to the desired height. The shade being wound upon a roller of less resistance than the roller supporting the casing may be raised or lowered without displacing the predetermined position of the movable casing with relation to the frame.

What we claim is—

1. In a curtain fixture, the combination with a movable casing, independent parallel spring rollers of different resistances mounted therein, of a shade upon the roller exerting the least resistance, and strips secured to and adapted to be wound upon the roller exerting the greatest resistance, and secured at their opposite ends above the casing to adjustably support the same, substantially as set forth.

2. In a curtain fixture, the combination with a movable casing, of independent parallel spring rollers mounted therein, springs exerting different resistances, respectively, in the rollers, one roller being adapted to adjustably support the casing by means of strips secured at their opposite ends to said roller, and to the casing above the same, and the other roller being mounted entirely independently and carrying a shade, both rollers being obscured from view by the front wall of the casing, and a pull cord secured to said casing, all co-operating substantially as specified.

In testimony whereof we affix our signatures in presence of witnesses.

MARTIN D. MILLER.

BENJAMIN H. OLDFIELD.

Witnesses as to the signature of Martin D. Miller:

OTTIS E. MANN,

A. B. JOHNSON.

Witnesses as to the signature of Benjamin H. Oldfield:

GEORGE R. TABOR,

JNO. Q. TABOR.