

WILLIAM R. SMITH.

Improvement in Curtain Fixtures.

No. 120,787.

Patented Nov. 7, 1871.

Fig 1

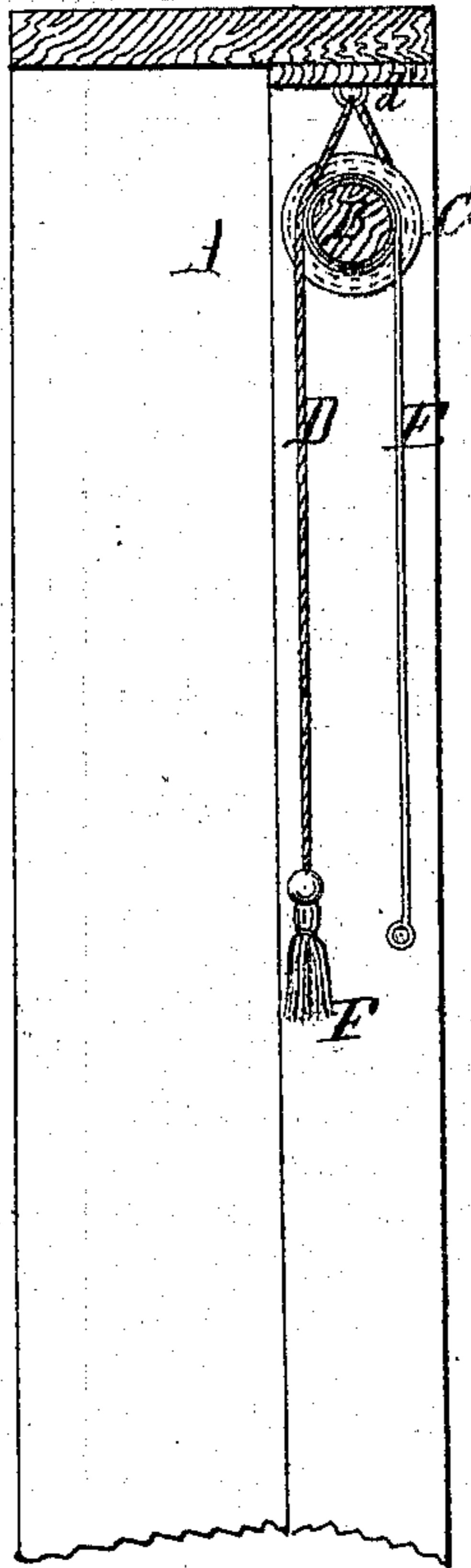
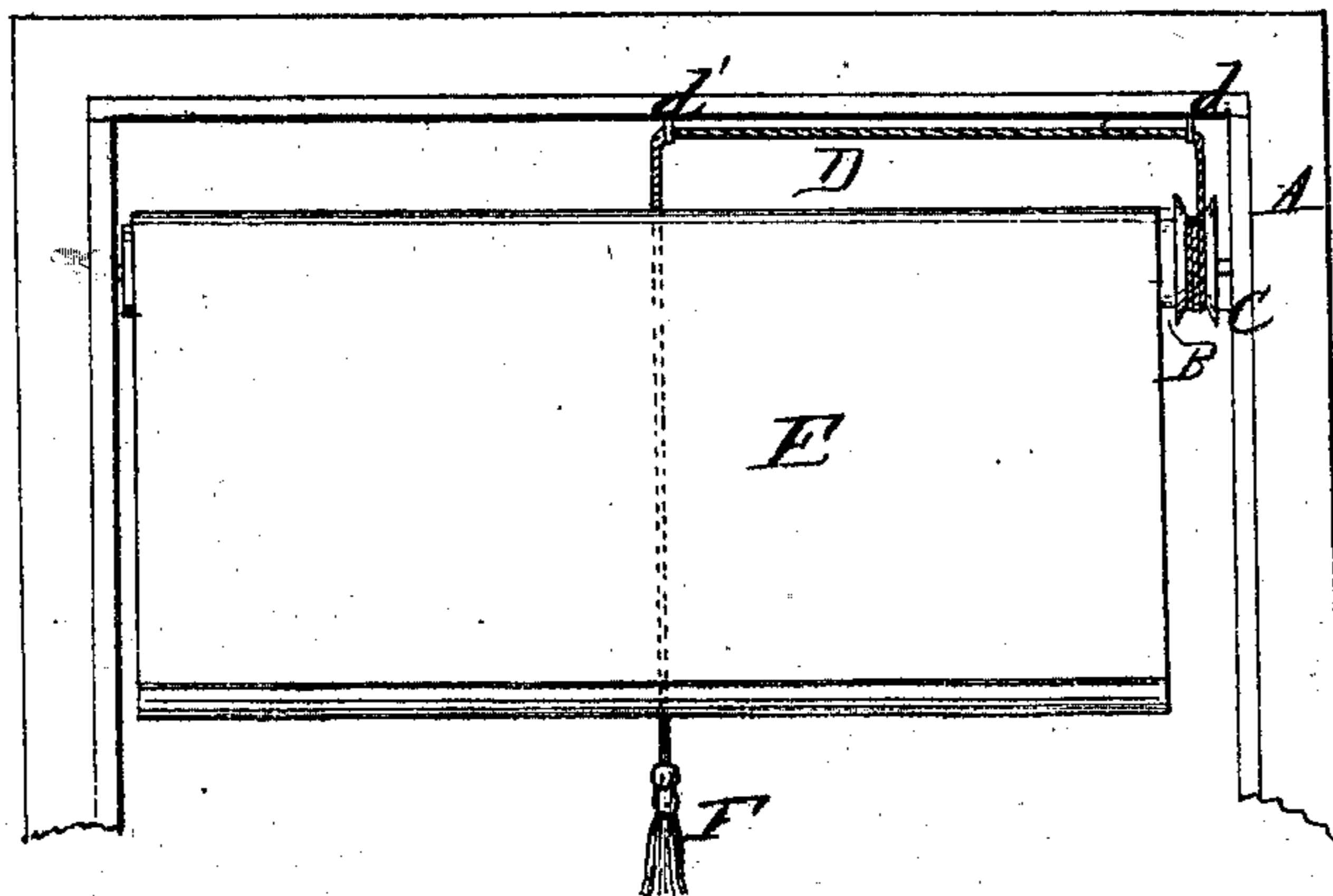


Fig 2



Witnesses  
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# UNITED STATES PATENT OFFICE.

WILLIAM ROBERT SMITH, OF SEAFORTH, CANADA.

## IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. 120,787, dated November 7, 1871.

*To all whom it may concern:*

Be it known that I, WILLIAM ROBERT SMITH, of Seaforth, in the county of Huron, Province of Ontario and Dominion of Canada, have invented a new and valuable Improvement in Window-Curtain Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical section of my invention. Fig. 2 is a front view.

This invention has relation to window-curtain fixtures for raising and lowering the same; and the novelty consists in the arrangement of the curtain-cord having a weighted tassel, so that the curtain may be by the weight and friction held at any desired point, as hereinafter described.

Referring to the drawing, A represents a window-frame; B, the curtain-roller journaled to the sides of the window-frame or to projecting brackets. C represents a pulley on one end of the curtain-roller; D, a cord which is wound around the pulley C, passed through eyes or staples  $d'$   $d'$  inserted in the top of the frame A and allowed to hang down behind the curtain in the middle

of the frame, as shown. E designates the curtain attached to the roller B and falling down in front thereof. The eye  $d'$  is so arranged that the cord shall bear on top of the curtain-roll, and that, being provided with a weighted tassel, F, it shall hold the curtain at any desired point and prevent its falling.

By drawing on the cord D it unwinds from the pulley, turning it and the roller and raising the curtain. The latter is let down by raising the cord from the roller. The friction of the cord against the curtain-roll assists materially in permitting the movement of the curtain whenever the curtain is unrolled or rolled up to such an extent as to produce an inequality between the curtain and the counterbalancing weight.

I claim as my invention—

The combination, with the curtain-roller B and pulley C, of the end guide  $d$ , center guide  $d'$ , and weighted cord D, and curtain E, constructed substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM ROBERT SMITH.

Witnesses:

JAMES H. BENSON,  
H. W. O. MEYER.

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