

J. B. Bailey,

Curtain Roller and Bracket,

No. 19,336,

Patented Feb. 16, 1858.

Fig. 1

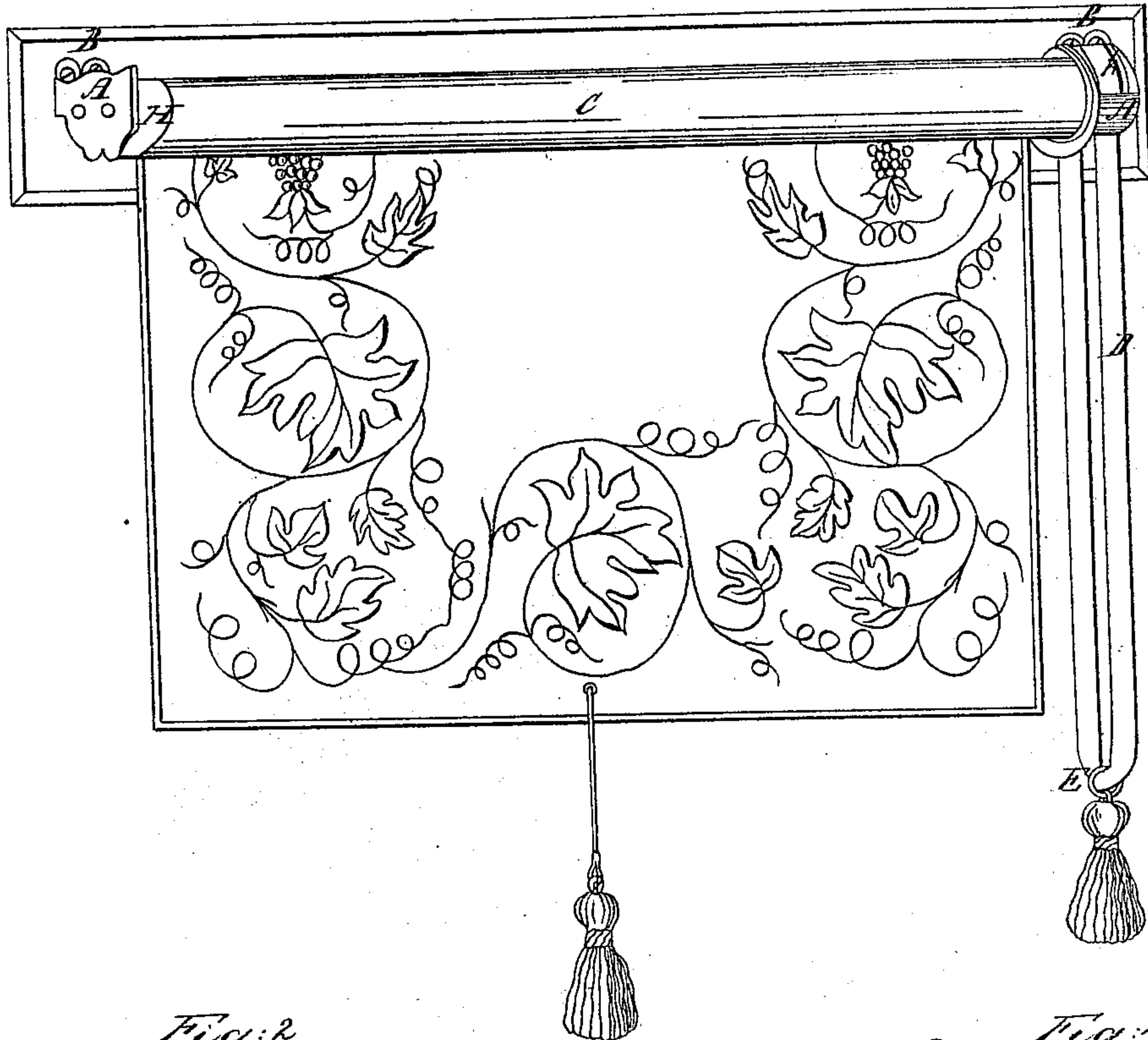


Fig. 2

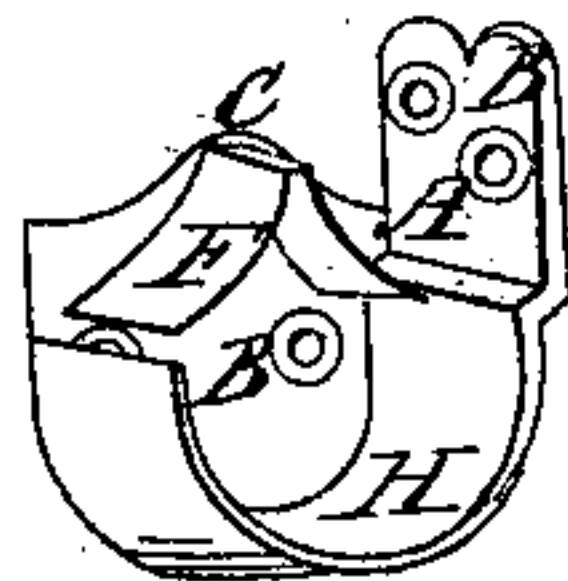


Fig. 3

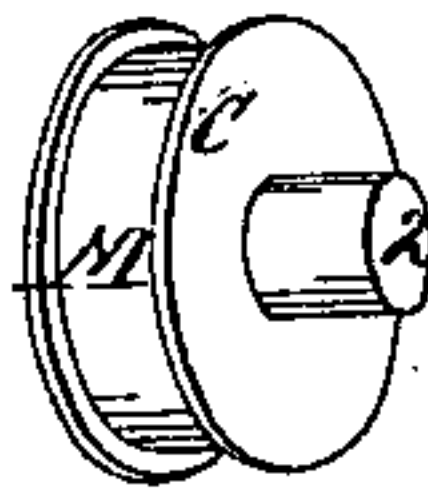
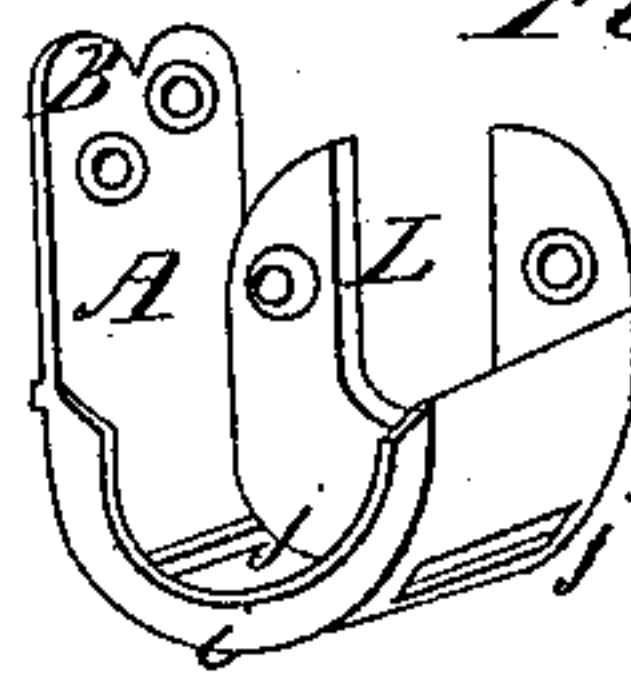


Fig. 4



Witnesses

W. H. Bailey
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UNITED STATES PATENT OFFICE.

J. B. BAILEY, OF NEW YORK, N. Y.

ROLLER FOR WINDOW-SHADES.

Specification forming part of Letters Patent No. 19,336, dated February 16, 1858; Reissued April 13, 1858, No. 543.

To all whom it may concern:

Be it known that I, JACOB B. BAILEY, of the city of New York, in the county and State of New York, have invented a new and useful Improvement in Curtain Rollers and Brackets; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Figure I is a perspective view of my improvement in window shade brackets and rollers, the shade being partly up. Fig. II is a perspective view of the left hand bracket showing the arrangement of the spring F. Fig. III is a perspective view of the band pulley showing the india rubber band. Fig. IV is a perspective view of the right hand bracket showing the flange *i*, and the slot *j, j*. Similar letters of reference in each of the four figures indicate corresponding parts.

The nature of my invention consists in the construction of window shade brackets and rollers in a cheap and substantial manner, the shade or curtain may be made in any of the usual forms or designs.

It has been found in the practical use of window shade apparatus that the simpler the mechanism used for that purpose the better for the manufacturer and consumer; the improvement for hoisting and lowering of window shades described herein, I believe to be the most effectual, and simple in construction of any device for a like purpose from the following reasons, namely: Any sized shade may be hung with this apparatus, without running down by its own gravity, nor will the spring become injured as is the case where the spring is placed in the band bracket.

In my improvement the spring is not in the band or right hand bracket, (see Fig. IV) but is placed in the left hand bracket F, Fig. II where it answers the double purpose of preventing the end of the roller tipping up with a sudden jerk on the band, and to return the shade in any position. The band D cannot be thrown off as the width of the slots *j, j*, Fig. IV will not allow it. The flange *i*, formed on the bracket Fig. IV prevents any shuffling of

the roller thereby injuring the edge of the shade. The india rubber band on the pulley Fig. III, effectually prevents the band from slipping under any circumstances, and having nothing to impede the movement of the band, it runs freely and cannot be thrown from the pulley.

Thus it will be seen that this device for window shades, is easily kept in order, and is effectual in its operation.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A, A, Fig. I are the brackets, B, B, screw holes for the purpose of attaching the brackets to the window frame.

D is the band, by which the shade is moved up or down, the said band passing through the ring E, freely allows the tassel to remain as shown in the drawing at E, Fig. I.

Fig. II, is a perspective view of the left hand bracket showing the arrangement of the spring F, the said bracket being cast with a projection and the same being sawed to receive the spring F. The roller C, Fig. I having its bearing at H, the spring F, pressing on the said roller causing it to remain in any position desired, and preventing the end of the roller from being thrown up. The right hand bracket Fig. IV, is cast with a flange *i*, and having two slots in the lower part 2, 2, for the band to pass through and over the pulley as shown at *k*, Fig. I, the flange *i*, Fig. IV, prevents the roller from shifting to the right or left and thereby injuring the edge of the shade, L is the bearing, to receive the journal 2, of the roller or pulley C, Fig. III—the said pulley having an india-rubber band drawn tightly around at M, the hoisting band passing over the rubber entirely preventing any tendency to slip when hoisting the shade.

I do not claim the spring F, for the purpose of holding the roller in any position, that has been before used and patented by Penchase Miles, of Hartford, Conn., improvements in window curtain rollers and fixtures, patented respectively March 3d, 1857 and April 7th, 1857. Nor do I claim the endless band. Nor do I claim the use

of the india-rubber as new, for the purpose of creating friction on a pulley, as that has been before known and used. But

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

The application of an india rubber band, or, equivalent substance, on the plane of the pulley (Fig. III) at M, in combination with

the endless band, or cord, for the purpose of rolling and unrolling a curtain or shade, in 10 the manner, as above set forth.

J. B. BAILEY. [L. S.]

Witnesses:

H. H. BAILEY,

C. CHESTER CUDWELL.

[FIRST PRINTED 1911.]