

H. K. WARNER & C. E. SMITH.

Curtain-Fixtures.

No. 145,821.

Patented Dec. 23, 1873.

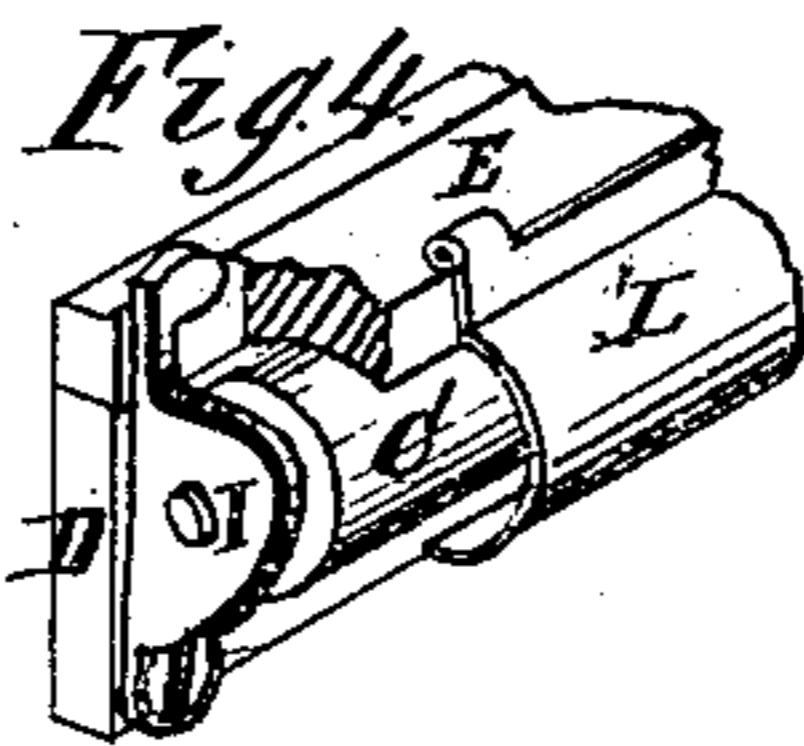


Fig. 1.

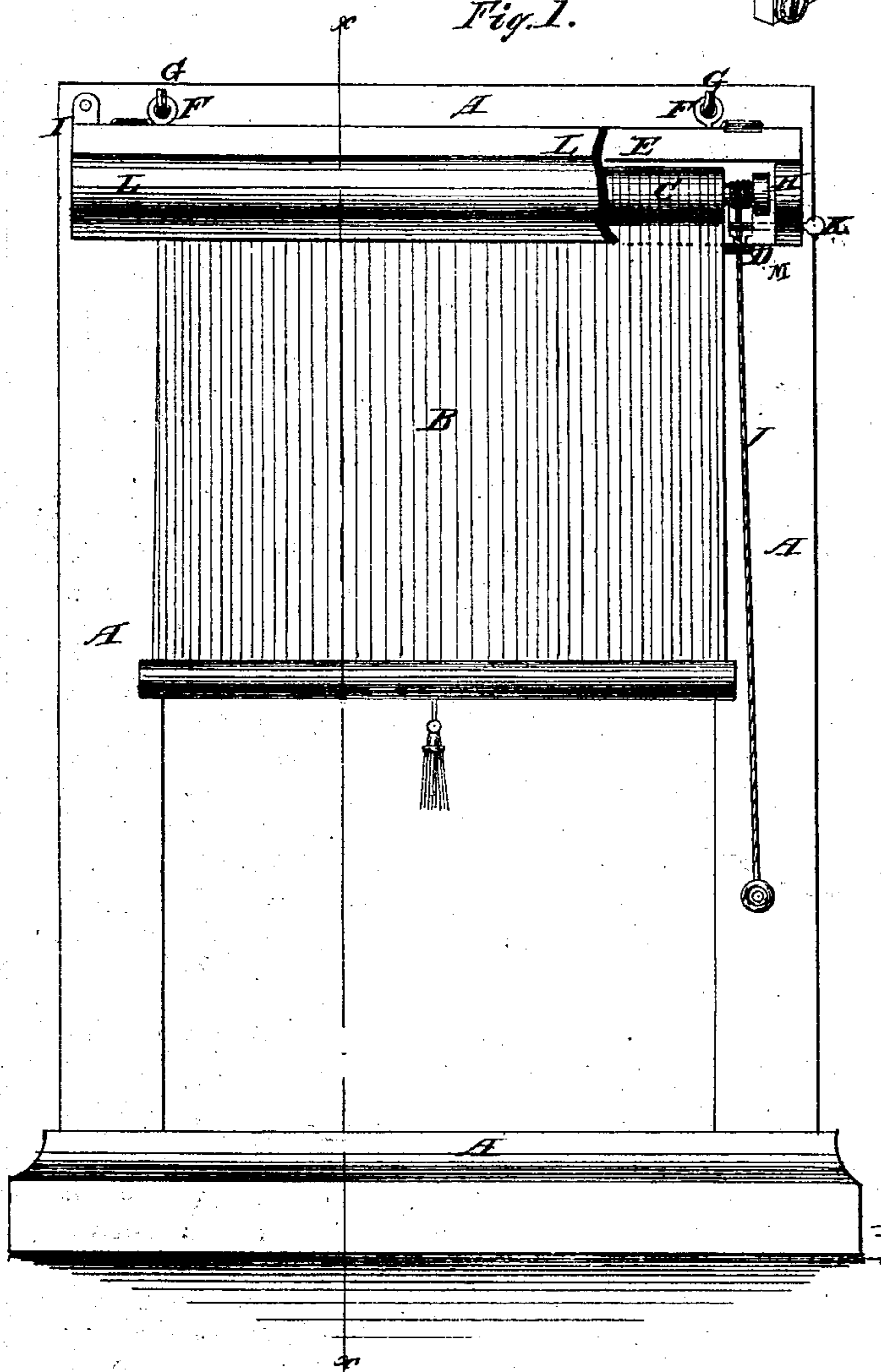


Fig. 2.

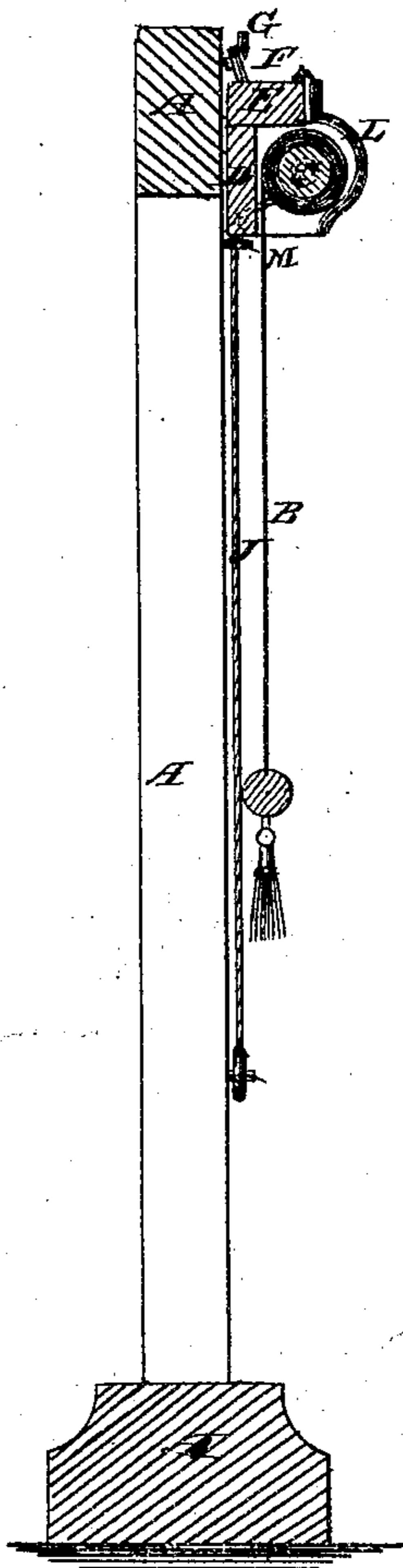
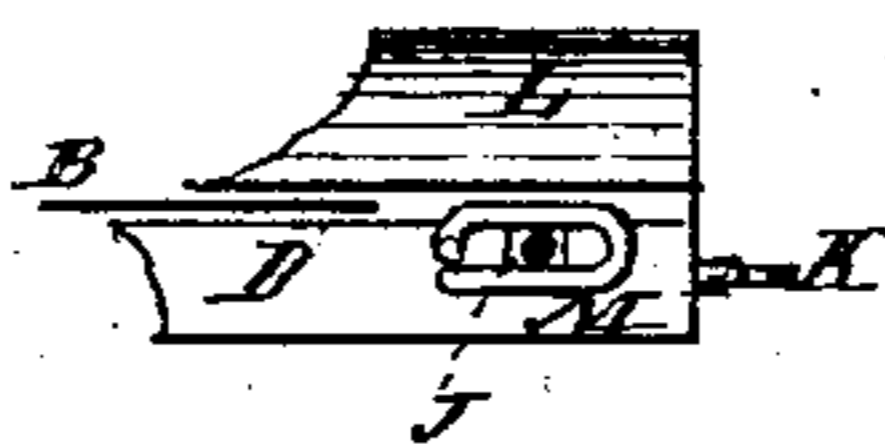


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY K. WARNER AND CHARLES E. SMITH, OF ROCHESTER, MINNESOTA.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. **145,821**, dated December 23, 1873; application filed March 15, 1873.

To all whom it may concern:

Be it known that we, HENRY K. WARNER and CHARLES E. SMITH, of Rochester, in the county of Olmsted and State of Minnesota, have invented a new and useful Improvement in Shade-Fixtures, of which the following is a specification:

Figure 1 is a front view of our improved fixtures, part being broken away to show the construction. Fig. 2 is a detail section of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a detail view of the cord-catch. Fig. 4 is a detail view, showing the arrangement of the pivoted bracket.

Similar letters of reference indicate corresponding parts.

Our invention has for its object to furnish improved shade-fixtures, which shall be so constructed that the shade may be readily detached from the fixture, which will protect the shade from falling dust, and which shall at the same time be simple in construction and convenient in use. The invention consists in the combination of the two bars, the stationary bracket, and the pivoted bracket with each other, to adapt them to receive the shade-roller, and in the combination of the hinged cornice with the two bars, the stationary bracket, and the pivoted bracket, as hereinafter fully described.

A represents the frame or casing of the window. B is the shade, which is attached to the roller C in the ordinary manner. D is a bar, to the upper edge of which is attached another bar, E, so that the said bars may be at right angles with each other, as shown in Fig. 2. To the bars D E are attached eyebolts, staples, or other loops, F, to hook upon hooks or other catches, G, attached to the upper part of the casing A, so that the shade-fixture may be conveniently taken down when desired. In the angle between the bars D E at one end of said bars is permanently secured a bracket, H, in which is formed a bearing for one of the pivots of the roller C. In the angle between the bars D E is placed a bracket, I, to receive the other pivot of the roller C. The lower end of the bracket I is pivoted to the lower part of the bar D, and its upper end has a lug formed

upon it, by means of which it is secured in place detachably by a pin, so that by drawing out said pin the bracket I may be swung outward and the roller detached. The shade B is wound upon the roller C by means of a cord, J, one end of which is attached to a spool attached to one end of the roller C, and which is wound upon said spool by drawing down or unwinding the shade. The cord J passes through a guide-notch formed in the lower edge of the bar D, where it is kept in place by a pin, K, so that by withdrawing the said pin K the cord will be released, so as to be detached with the shade and roller. L is a cornice, the upper edge of which is hinged to the forward edge of the bar E. The cornice L is so formed as to pass around the forward side of the roller C, so as to cover the said roller and protect the shade from the falling dust. The end parts of the cornice L fit and rest upon the brackets H I. To the lower edge of the bar D is attached the catch M, which is made with a tapering slot, as shown in Fig. 3, so that by moving the cord J into the narrow part of said slot it will be held securely, holding the shade in any desired position, and by moving the cord J into the wider part of the slot of the said catch M the said cord will be released to allow the shade to be raised and lowered, as desired.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. The combination of the bars D E, stationary bracket H, and pivoted bracket I with each other, to adapt them to receive the shade-roller C, substantially as herein shown and described.

2. The combination of the hinged cornice L with the bars D E, stationary bracket H, and pivoted bracket I, substantially as herein shown and described, and for the purpose set forth.

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Witnesses:

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