

(No Model.)

C. L. MILLER.
VENETIAN BLIND ROLLER SUPPORT.

No. 562,233.

Patented June 16, 1896.

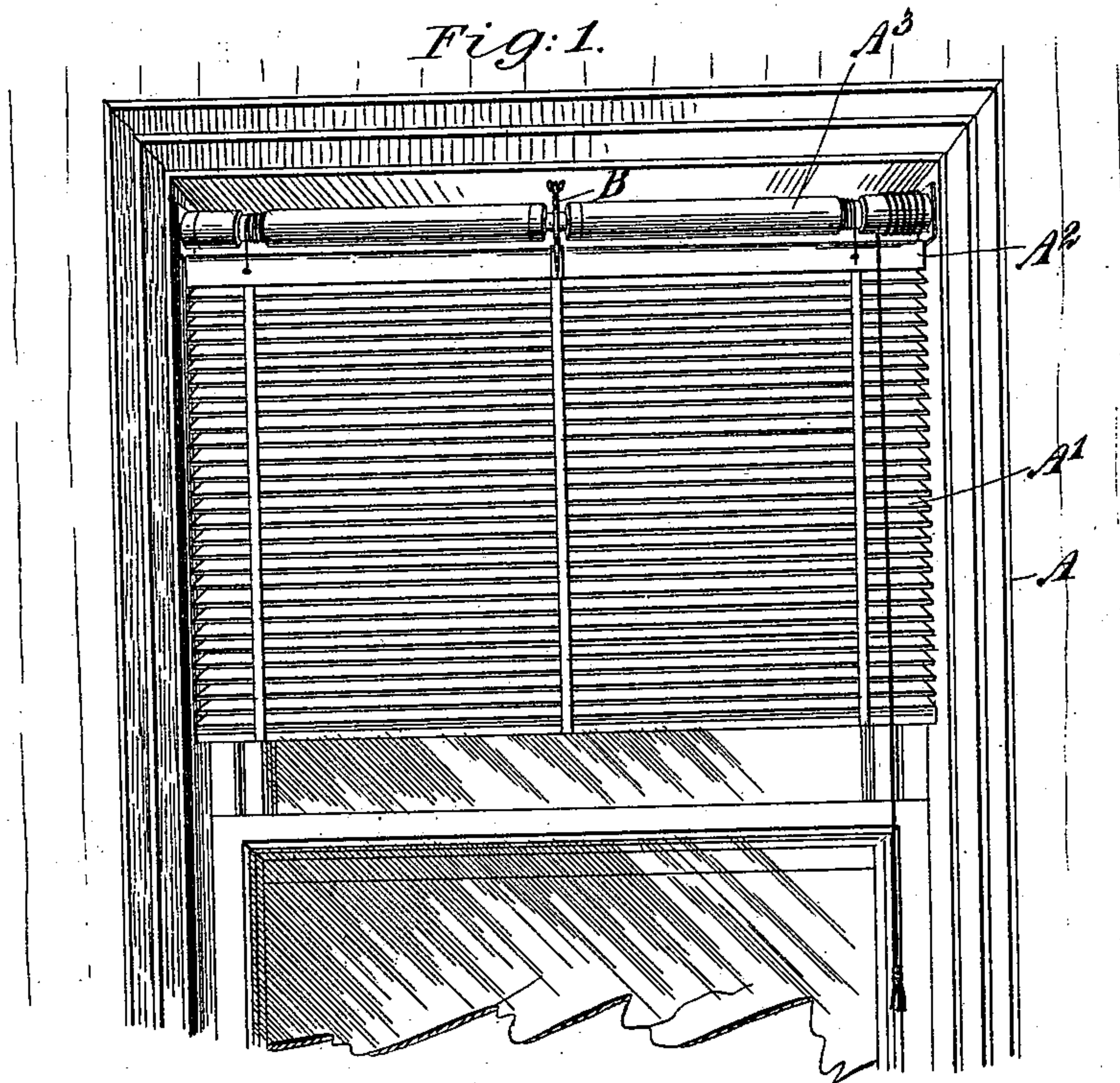


Fig. 2.

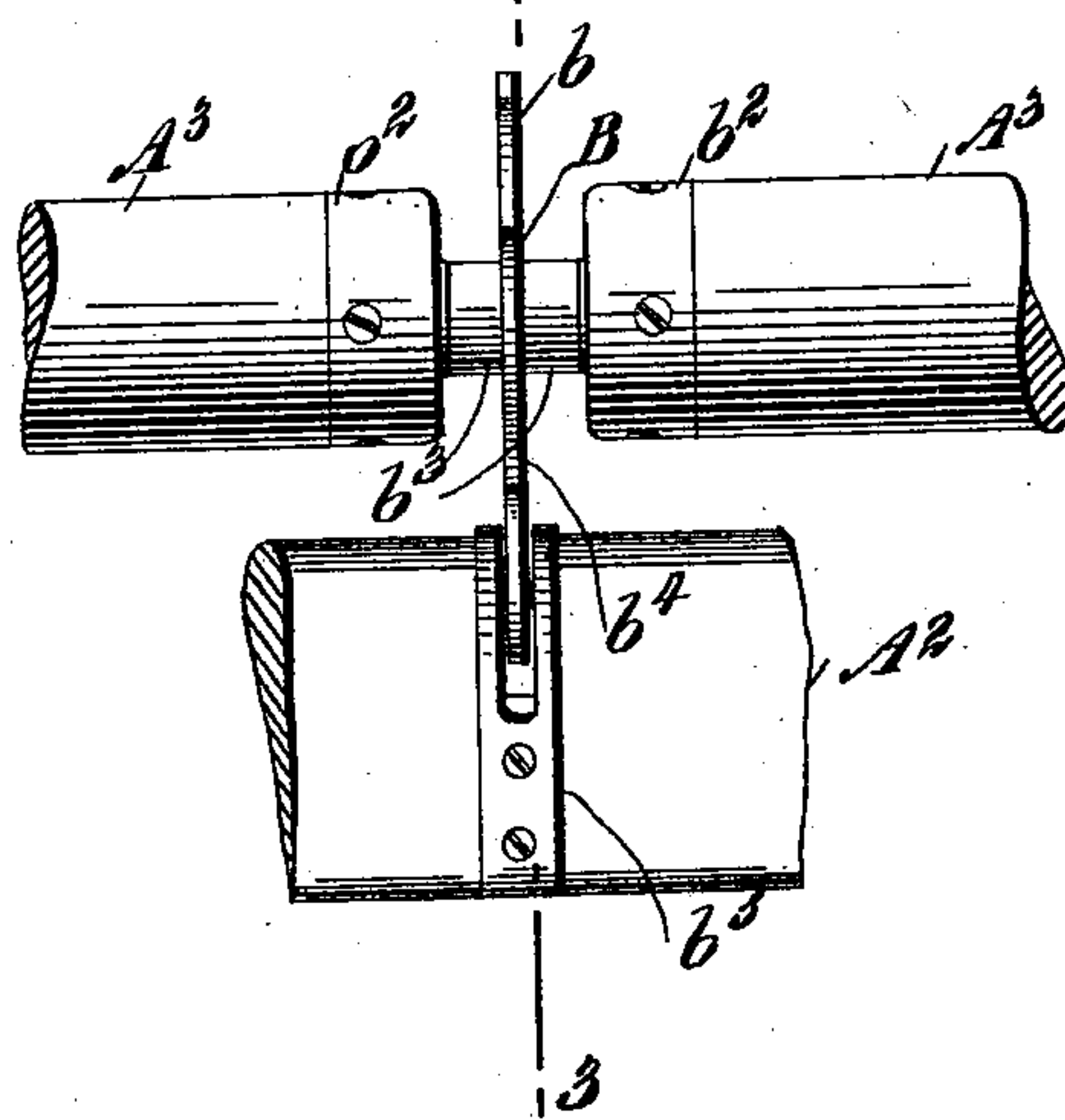


Fig. 3.

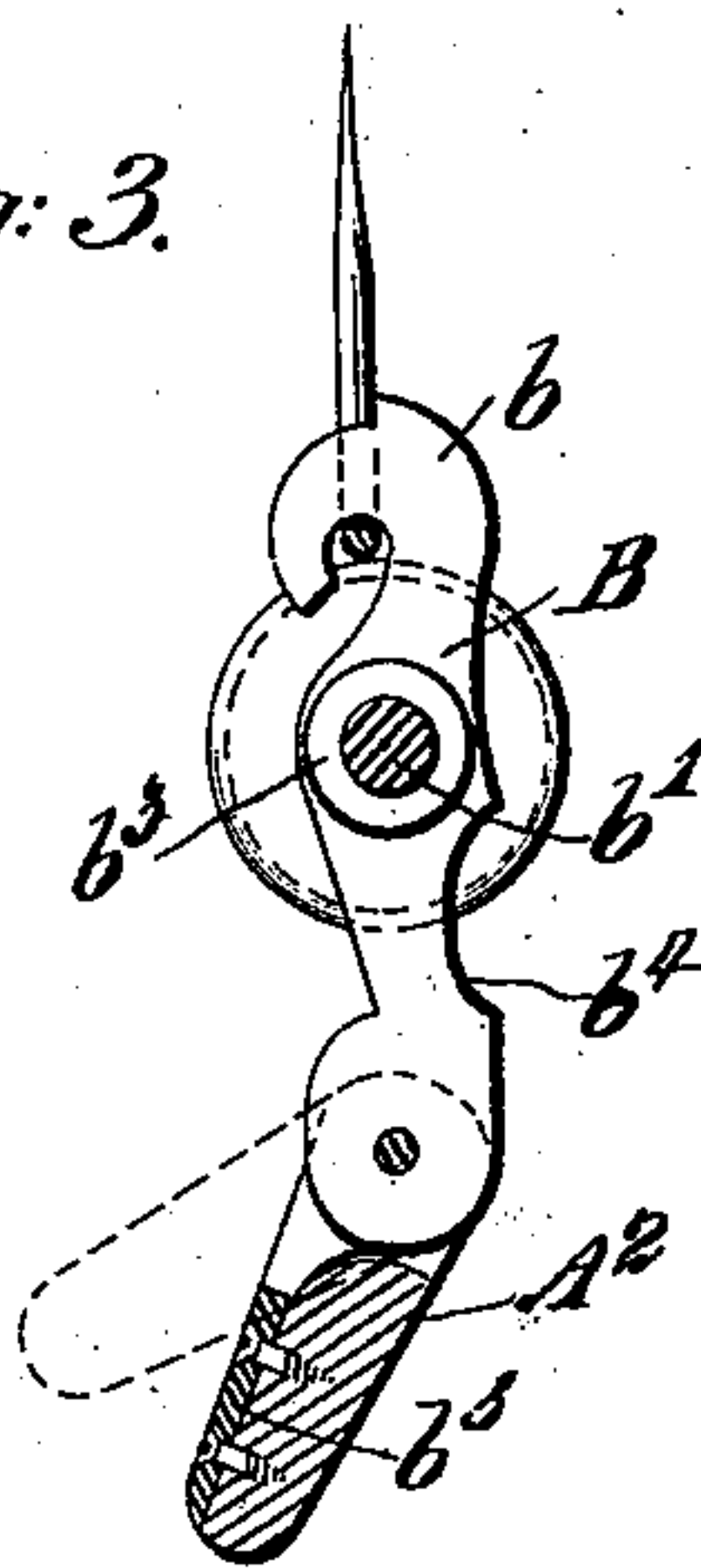
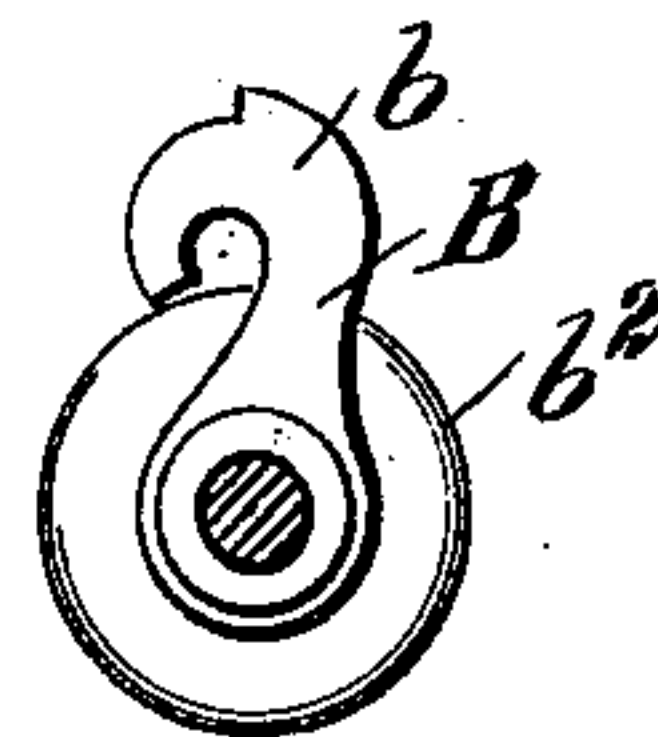


Fig. 4.



WITNESSES:

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VENETIAN-BLIND-ROLLER SUPPORT.

SPECIFICATION forming part of Letters Patent No. 562,233, dated June 16, 1896.

Application filed October 23, 1895. Serial No. 566,595. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. MILLER, of New York city, in the county and State of New York, have invented a new and Improved Venetian-Blind-Roller Support, of which the following is a full, clear, and exact description.

In the ordinary method of hanging Venetian-blind rollers the said rollers are unsupported intermediate of their ends, and it is found that when long rollers are employed they will sag at the middle, and thus prevent an easy action of the same and also cause the slats of the blind to curve downward at the center.

The object of my invention is to prevent these difficulties or objections; and, broadly stated, my invention consists in an intermediate hanger or support for a Venetian-blind roller.

The invention further consists in the construction and novel arrangement of parts, as will be hereinafter specified, and particularly pointed out in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a front elevation of a window and blind, and also shows a roller embodying my invention. Fig. 2 is an elevation, on a large scale, of a portion of the roller and rocker-bar embodying the invention. Fig. 3 is a transverse section on the line 3 3 of Fig. 2, and Fig. 4 is a transverse section and elevation showing a slight modification.

Referring to the drawings, A designates a window-casing and A' the slats of a Venetian blind therein, secured together by flexible connections in the usual manner and depending from a rocker-bar A², which has connection with the blind-roller A³. The roller A³ may have the usual end bearings in the window-casing; but intermediate of said end bearings I employ one or more hangers for said roller. I have here shown a single intermediate hanger placed in the center of the roller. The hanger comprises a plate B, having a hook or other engaging device b at its upper end adapted to be engaged with an eye or staple secured to the window-casing, and the plate B of the hanger is pivotally mounted on a short shaft b', connected to socket-pieces b², engaging with the adjacent ends of the two

portions of the roller A³. The sockets b² and the shaft b' are made of suitable metal, and for the purpose of centering the plate B between the adjacent ends of the socket I provide the plate on opposite sides with hub-like projections b³, adapted to bear at the ends against the ends of the socket. In this example of my improvement I have shown the rocker-bar A² as having swinging connection with a downward projection b⁴ of the hanger-plate B, the lower end of said projection being engaged with a pivot mounted in the bifurcated upper end of a metal clip b⁵, secured to the rocker-bar A². In the example of my improvement shown in Fig. 4, however, I have omitted the lower extension b⁴ of the hanger, as I do not wish to be confined to the construction first described, as it is obvious that the rocker-bar may be otherwise supported.

It will be obvious from the foregoing description, taken in connection with the drawings, that my invention embodies both a hanger and a coupling, whereby the two portions of the blind-roller may turn as one.

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

1. A roller for a Venetian blind, made in sections and a hanger-plate having a pivotal connection with a portion extended between the adjacent ends of said roller-sections, and having a fastening device at its upper end adapted to be engaged with a device secured to a window-casing, substantially as specified.

2. The combination with a Venetian-blind roller made in sections, of sockets secured to the adjacent ends of said sections, a shaft extended from one socket to the other, and a hanger-plate pivoted on said shaft, having a fastening or engaging device at its upper end and having a downward projection adapted for pivotal engagement with the rocker-bar of a blind, substantially as specified.

3. The combination, with a hanger-plate connected with a Venetian-blind roller and a rocker-bar, of a clip-plate secured to the rocker-bar, and having pivotal connection with a downward projection of the hanger-plate, substantially as specified.

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Witnesses:

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