

J. P. ARNOLD.
Curtain-Cord Fasteners.

No. 139,228.

Patented May 27, 1873.

Fig. 1.

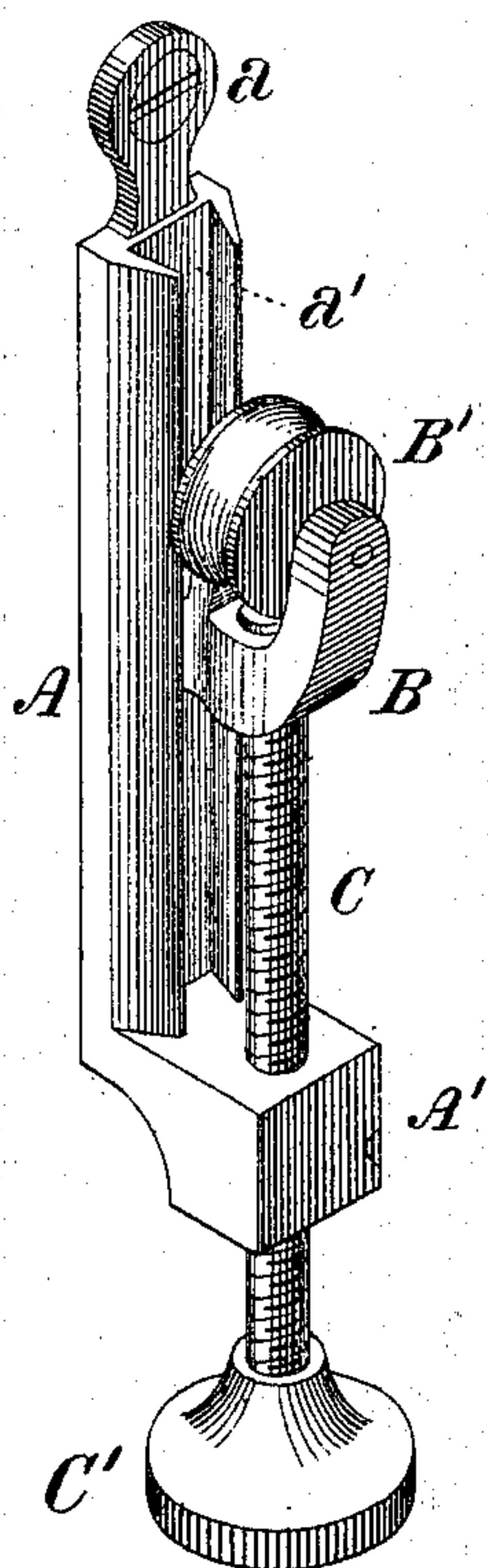


Fig. 2.

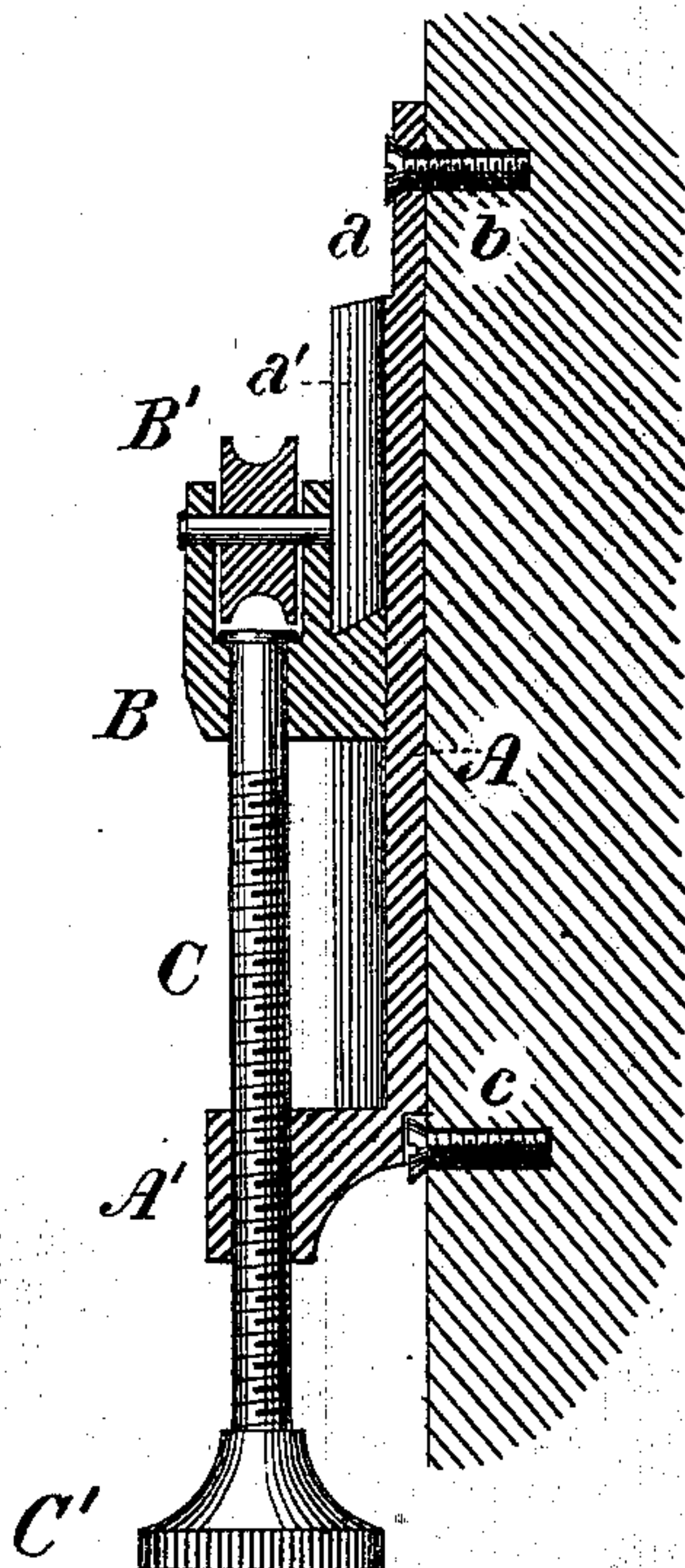
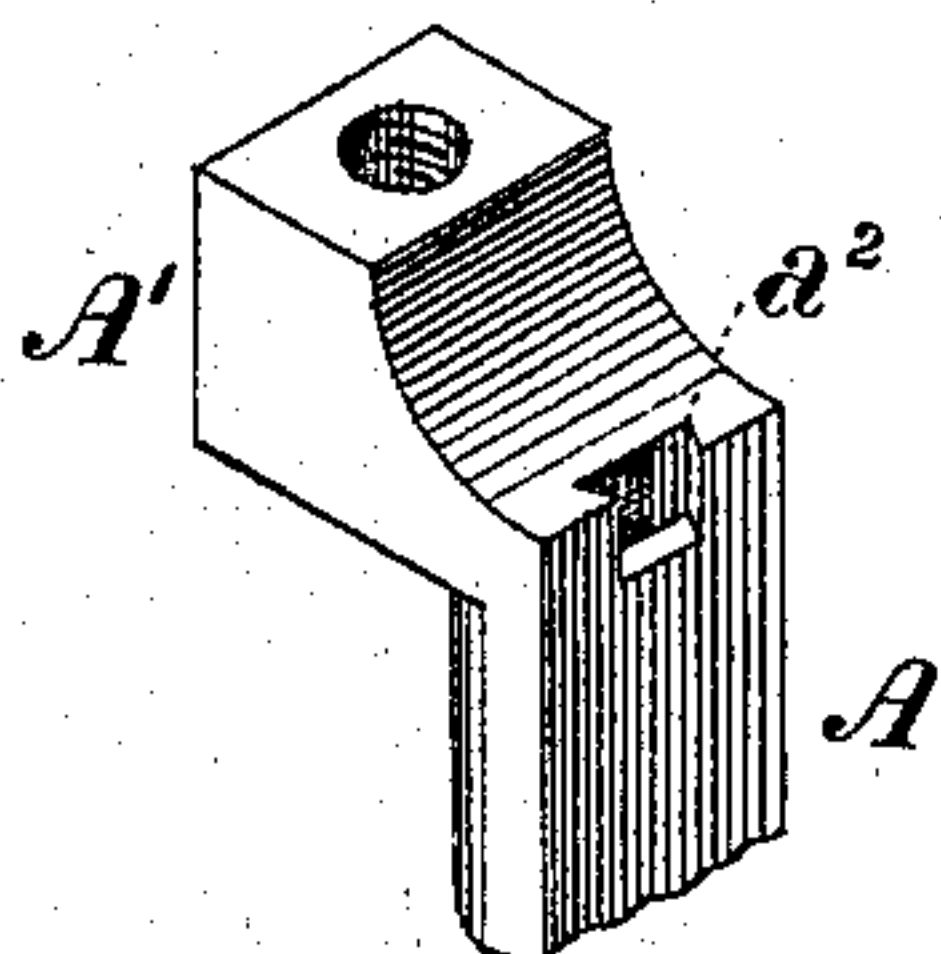


Fig. 3.



Witnesses.

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JOHN P. ARNOLD, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN CURTAIN-CORD FASTENERS.

Specification forming part of Letters Patent No. **139,228**, dated May 27, 1873; application filed February 17, 1873.

To all whom it may concern:

Be it known that I, JOHN P. ARNOLD, of the city and county of Philadelphia, in the State of Pennsylvania, have invented certain new and useful Improvements in Window-Shade Fixtures, of which the following is a specification:

The object of my invention is to provide a device for tightening the cords of window shades or blinds, which shall embody in its construction the features of economy and simplicity, and be easily and efficiently operated, without danger of breakage or derangement of its parts.

My improvement, which consists of a novel method of combining the bearing piece of a cord-pulley with guides and an adjusting-screw, is herewith fully set forth.

In the accompanying drawing, Figure 1 is an isometrical view of a window-shade fixture, embodying my improvement; Fig 2, a longitudinal central section of the same; and Fig. 3, an isometrical view, taken from the rear, of a portion of the bracket.

The bracket or bed-piece A of my improved window-shade fixture is secured to the window-frame by screws or nails *b c*, one of which, *c*, engages in a recess, *a*², near the lower end of the bracket, the sides of the recess being beveled outward from top to bottom; and the other, *b*, passes through a lug, *a*, at the opposite end of the bracket, the screw or nail *c* being first driven into the window or frame, so as to leave only its head projecting, over which the recessed end of the bracket is slipped, and the screw or nail *b* then driven into proper position. A longitudinal recess, *a*¹, the sides of which are inclined or beveled outward from its top, is formed in the bracket A, from its upper to within a short distance of its lower end, at which point the bracket is extended outward and downward to form a

nut A'. The pulley B', around which the cord of the shade or blind passes, rotates upon a shaft secured into lugs, formed on a bearing piece, B, provided with a tongue which fits into the recess *a*¹ of the bracket, the inclined sides of which serve as guides to direct the bearing-piece in its movements and prevent its displacement. The bearing-piece and cord pulley are moved longitudinally in the groove, as required by a screw, C, which turns freely in the bearing-piece B, and engages in the nut A', at the lower end of the bracket A, being turned by means of a proper milled head, C'.

It is obvious that the recess *a*¹ and *a*² might be made with straight sides and projecting lips or flanges instead of being beveled, as described and shown, without departing from the principle of my invention, but I prefer the form described, on account of economy and convenience.

In the use of my improved window-shade fixture, the tension of the shade or blind cord can be easily regulated by a slight movement of the adjusting-screw, and from the simplicity of its construction and mode of operation it has but little tendency to be broken or deranged.

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

The combination, in a window-shade fixture, of a bracket, A, having a longitudinal recess, *a*¹, in its face, and a nut, A', at or near its lower end, with the sliding bearing-piece B, and an adjusting-screw, C, to operate it, in the manner and for the purpose herein shown and described.

JOHN P. ARNOLD.

Witnesses:

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JOHN N. BELL.