

(No Model.)

T. WILLIAMS.
Awning Fitting.

No. 238,265.

Patented March 1, 1881.

Fig. 1.

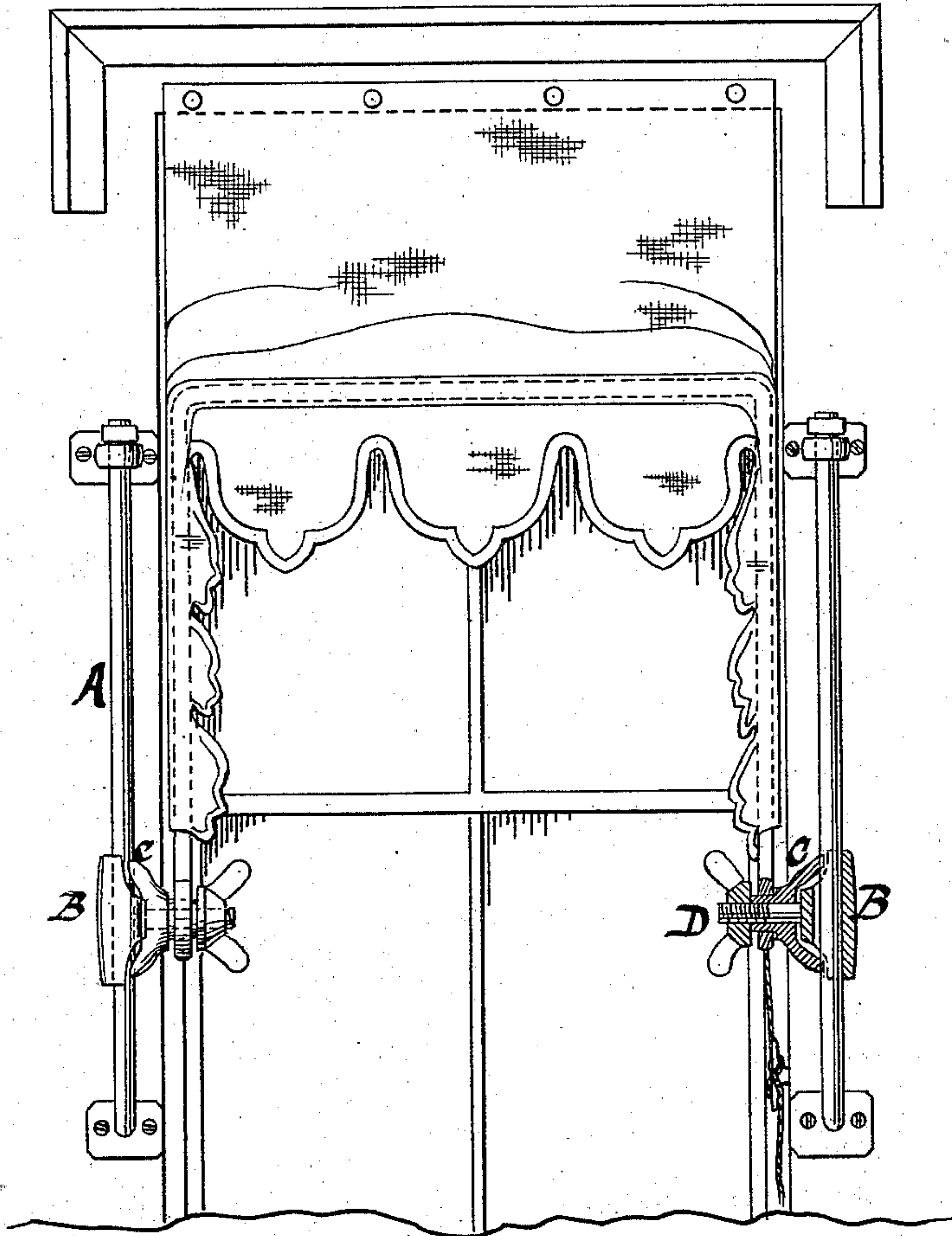


Fig. 2.

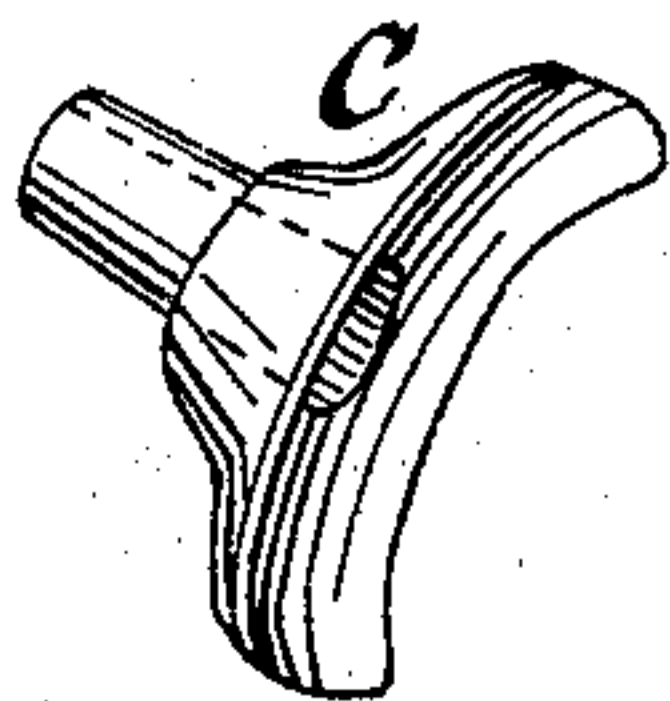
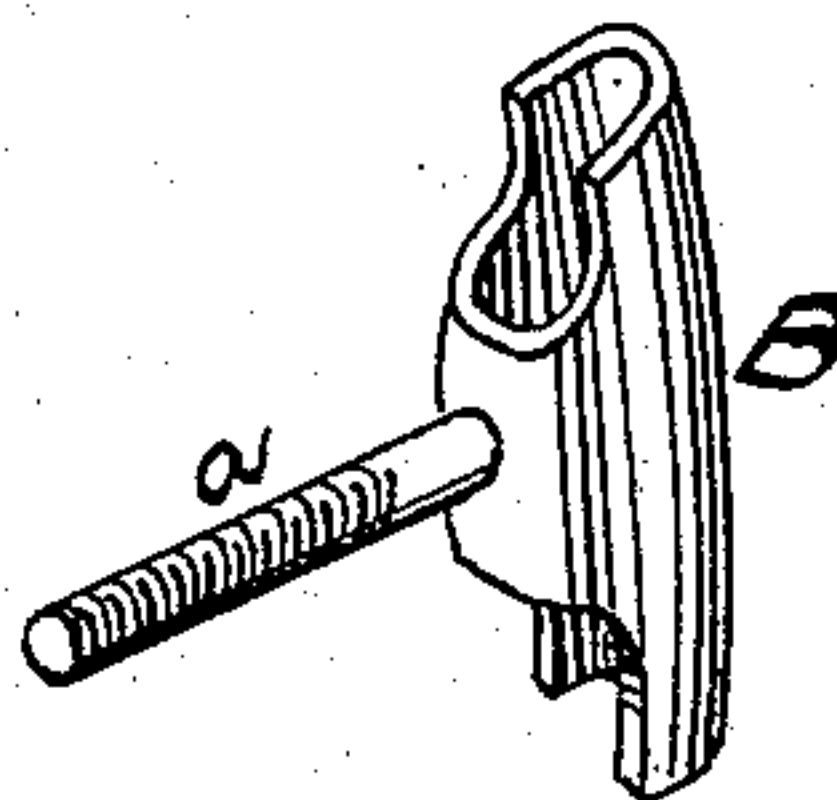


Fig. 3.



WITNESSES:

Howell & Co.,
E. B. Barnum.

INVENTOR:

Thomas Williams

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

THOMAS WILLIAMS, OF BROOKLYN, NEW YORK.

AWNING-FITTING.

SPECIFICATION forming part of Letters Patent No. 238,265, dated March 1, 1881.

Application filed May 18, 1880. (No model.)

To all whom it may concern:

Be it known that I, THOMAS WILLIAMS, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Awning-Fittings, of which the following is a correct and true specification, reference being had to the accompanying drawings, wherein—

Figure 1 is a front view of an awning to which the improvement is applied, shown attached to a window-frame, with the improved fitting shown in section. Fig. 2 is a perspective of the clamp, and Fig. 3 is a perspective of the slide.

The object of the invention is to make such a connection between the bow of an awning and the vertical rods permanently attached to a window or door frame that the awning may be held firmly at any desired point and the rattling prevented.

The nature of my invention consists in combining with an awning-frame constructed with permanent vertical rods and movable bow a clamping device interposed between the screw-nut and the slide and vertical rod thereof.

In the construction of awnings of this kind heretofore vertical rods have been secured to the outside of a door or window frame. Upon each of these rods is placed a slide provided with a laterally-arranged screw-bolt loosely strung, so as to work easily up and down. The ends of the bow of the awnings are perforated, so that they will take these screw-bolts, and a nut is then used to secure the ends upon the bolt. The cloth or awning proper covers this frame so made.

The difficulties and objections heretofore met with have been the fact that the height of the awning depended entirely upon the cords used, and the connection between the bow and the rods, as well as the loose-fitting character of the slide upon the vertical rods, admitted of much play, and consequently disagreeable noise.

In the drawings, A represents an awning attached to a door or window frame, the rods and bow being as hereinbefore described.

B represents the slide, which in Fig. 3 is seen in perspective, and consists of a metallic sleeve of cylindrical shape, which on one side, at each end, is cut away so as to resemble the mouth-piece of a common whistle. From the center of that side extends, at right angles, the screw-bolt *a*, as clearly shown in Fig. 3. A set-screw, D, is provided to fit the screw-bolt *a*.

C is a clamping device, which consists of a hollow shank intended to fit over the screw-bolt *a*, terminating in a hollow cap so constructed that when placed in position upon the screw-bolt it will fit over the slide, and its longitudinal edges will enter the interstices made by cutting away the ends of the slide.

In operation, the clamp C being placed upon the screw-bolt, followed by the ends of the bow, the nut or thumb-screw D is screwed down tightly, forcing the edges of the clamp C against the vertical rod, by which means motion in any direction is prevented and the height of the awning-frame with reference to the window or door frame is determined.

Of course any point at which the clamp shall be tightened may be selected, or the point may be changed at will.

The form of the slide B or the clamp C is not essential, but the form shown is preferred.

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

In an awning-frame, the combination of permanent vertical rods and movable bow with a clamping device, all arranged substantially as described, for the purposes set forth.

THOMAS WILLIAMS.

Witnesses:

FRED. W. REBHANN,
JAMES DEMAREST.