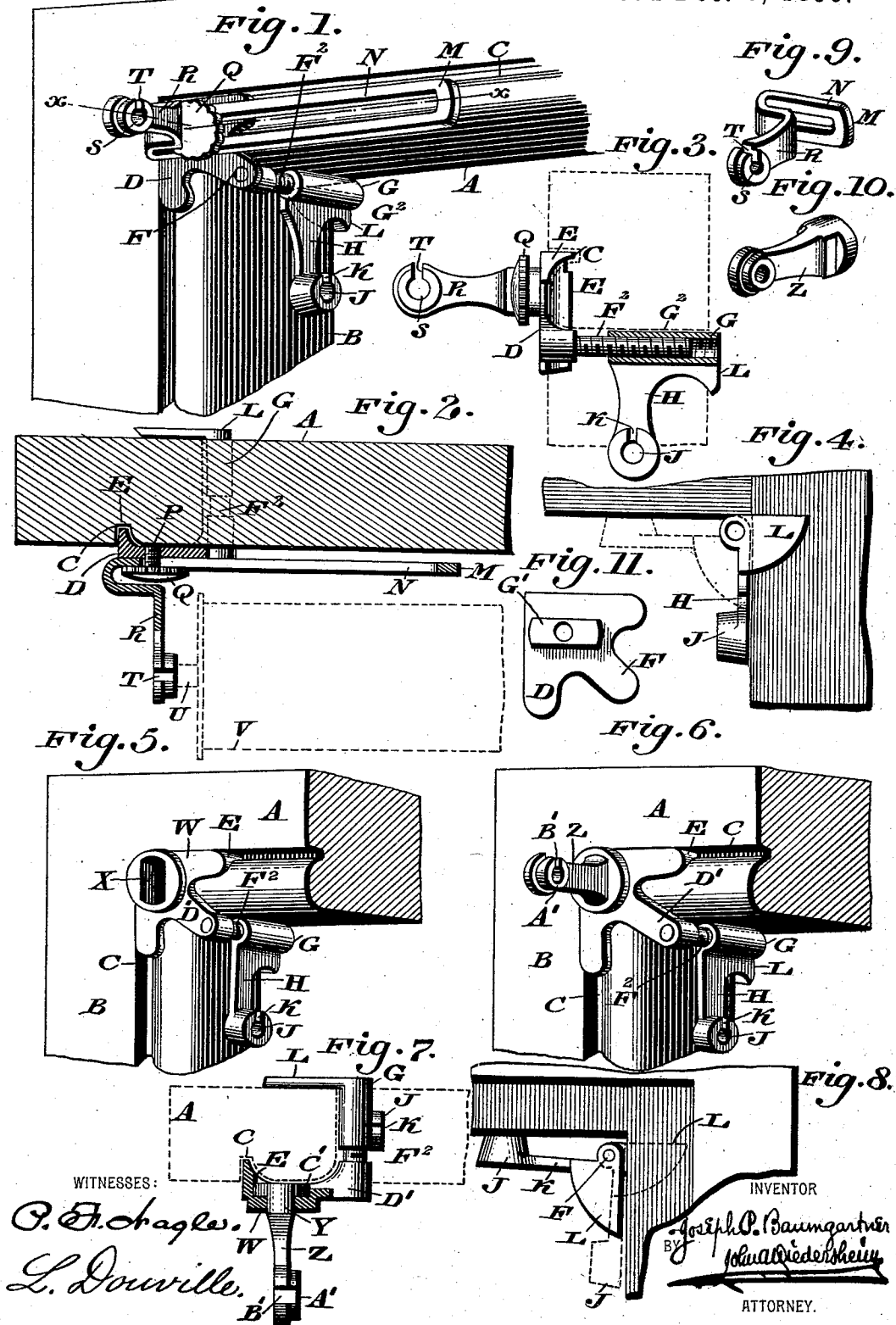


(No Model.)

J. P. BAUMGARTNER.
SHADE SUPPORTER OR BRACKET.

No. 572,594.

Patented Dec. 8, 1896.



UNITED STATES PATENT OFFICE.

JOSEPH PARRISH BAUMGARTNER, OF PHILADELPHIA, PENNSYLVANIA.

SHADE SUPPORTER OR BRACKET.

SPECIFICATION forming part of Letters Patent No. 572,594, dated December 8, 1896.

Application filed May 28, 1896. Serial No. 593,375. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH PARRISH BAUMGARTNER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Shade Supporters or Brackets, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a novel construction of shade supporter or bracket which can be quickly and expeditiously held in position without necessitating the employment of screws, nails, bolts, or other extraneous or analogous fastening devices.

It further consists of novel details of construction, all as will be hereinafter set forth, and specifically pointed out in the claims.

Figure 1 represents a perspective view of a shade supporter or bracket embodying my invention, showing also a corner of a window-frame to which the same is applicable. Fig. 2 represents a section on line *x x*, Fig. 1. Fig. 3 represents a side elevation, partly in section, of the shade-supporter seen in Fig. 1, the window-frame being shown in dotted lines. Fig. 4 represents a front elevation of the back of the shade-support, showing especially a portion of the fastening or clamping device. Figs. 5 and 6 represent perspective views of another embodiment of the principle of my invention and a portion of a window-frame to which the same is applicable, one bearing for the window-shade being shown in detached and assembled position, respectively. Fig. 7 represents a top plan view of Fig. 6. Fig. 8 represents a front elevation of the rear of Fig. 6. Fig. 9 represents a slightly-modified form of the bearing seen in Fig. 1. Fig. 10 represents a perspective view of the bearing-arm seen in Figs. 6 and 7 removed. Fig. 11 represents a plan view of a portion of a shade-supporter.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A and B designate lateral and upright portions of a window-frame to which the window-shade supporter or bracket is applicable, the same having the beading C therein, as is customary.

D designates the body portion of the shade-supporter, the same being substantially tri-

angular in shape in the present instance, and having the flanges E, which enter said beading C, as will be understood from Figs. 2 and 3.

F designates a lug which projects, in the present instance, in substantially a diagonal direction from said body portion D and has a bearing therein for the threaded stem F², which is adapted to engage the internally-threaded sleeve G of the clamping member G².

H designates an arm which depends from said sleeve and has a bearing J in its lower portion, the latter having a slot K leading thereto.

L designates a plate angularly attached to said sleeve G, said plate forming a clamp which engages that portion of the window-frame opposite the body portion D, as will be understood from Figs. 2 and 4.

M designates a bar which normally extends, in the present instance, substantially parallel with the frame A and is provided with a slot N therein, the length of said bar being of course variable according to requirements, as indicated in Figs. 1 and 9.

P designates a thumb-screw which engages the walls of the slot N, and is screwed into the body portion D of the bracket, said thumb-screw having a head Q, whereby it can be readily manipulated.

R designates an arm which is suitably attached to said bar M, and has a bearing S near the extremity thereof, the latter having a slot T, which communicates therewith and in which the journal U of the shade-roller V is adapted to be placed, as indicated in dotted lines in Fig. 2.

In the construction seen in Figs. 5 to 7, inclusive, I have shown a slightly-different embodiment of the principle of my invention, W designating the body portion of the shade supporter or bracket, which latter has the flange E projecting therefrom and engaging the beading C, as before.

In the present instance I have made the bearing for the shade-roller detachable, the same consisting of the arm Z, which has a shank Y thereon, and a head C', said arm having a bearing A' therein, to which access is had by means of the slot B', it being understood that said arm is placed in position by first inserting the bearing A' through the slot X, after which the head C' will be held

in position by its contact between the frame A or B and the body portion W, as will be evident from Fig. 7. The said body portion has a lug D' projecting therefrom, in which is journaled the threaded stem F², the latter engaging the threaded sleeve G, as before, said sleeve having an arm H depending therefrom, in which is located the bearing J, the sleeve G having projecting therefrom the plate or clamp L, as above described.

The operation is as follows, reference being first had to Figs. 1 and 3, respectively: The clamping device G² can be adjusted to window-frames of different widths by rotating the sleeve G upon the stem F² to the desired extent, it being of course understood that a right and left hand threaded stem is employed in the supporters attached to the respective corners of the window-frame, after which the body portion D is placed in position, so that the flanges E will engage the beading C, the arm H being now moved upwardly from the position seen in Fig. 1, whereupon if said arm be brought down into the position seen in Fig. 1 it will be evident that the clamp or plate L will be caused to tightly engage the back of the frame B, as indicated.

The arm R can be adjusted to shades of different widths by shifting the bar M, which can be done by loosening the thumb-screw Q, and the bearings J and the arm H can be utilized for inside shutters, if desired, while the bar S can be utilized for shades of ordinary construction, as will be evident from Fig. 2, it being of course understood that the device seen in Figs. 1, 2, or 3 is duplicated at the opposite upper corners of the window-frame.

The operation of the construction seen in Figs. 5 to 7, inclusive, is analogous to that already described, the arm Z being inserted in the elongated slot X and held in position by the portion A of the window-frame, as indicated in Fig. 7, after the clamp or plate L has been caused to tightly engage the back of said window-frame.

The supporter or bracket is applicable to shades of different widths and to any window-frame, and can be quickly and expeditiously applied thereto without necessitating the employment of screws, nails, &c., or cutting the shades or damaging or defacing the window-frame, as is evident.

In Fig. 11 I show the body portion D of the shade-supporter having the lug G' thereon, and into which the thumb-screw P is screwed, said lug G' acting as a support for the bar M and is in the slot N therein.

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

1. A shade-supporter, consisting of a body portion with a projecting lug, a threaded stem mounted in said lug, an internally-threaded sleeve engaging said stem, a plate attached to said sleeve and substantially parallel with

said body portion, and a roller-bearing also connected with said sleeve.

2. In a shade-supporter, a suitable body portion, an arm mounted thereupon, a bearing on said arm, means for locking the latter, an internally-threaded sleeve, a threaded stem attached to said body portion, and engaging said sleeve, a roller-bearing attached to said sleeve, and means on the latter, but at an angle thereto and adapted to engage a window-frame.

3. In a shade-supporter, a body portion, a flange projecting therefrom adapted to engage the beading of a window-frame, a slotted bar supported on said body portion, an arm having a bearing therein attached to said bar, a threaded stem attached to said body portion, a threaded sleeve engaging said stem, an arm having a bearing therein attached to said sleeve, and a plate also attached to said sleeve at an angle thereto for engaging the back of the window-frame.

4. In a shade-supporter, a suitable body portion having an arm provided with a bearing, a lug extending from said body portion, a threaded stem mounted on said lug, a threaded sleeve engaging said stem, an arm attached to said sleeve and having a bearing therein, and a plate also attached to said sleeve but at an angle thereto and adapted to engage the back of the window-frame.

5. In a shade-supporter, a suitable body portion, having an arm mounted thereupon and provided with a bearing, an internally-threaded sleeve, a threaded stem attached to said body portion and engaged in said sleeve, a roller-bearing attached to said sleeve, and a plate also mounted on the latter but at an angle thereto and adapted to engage the back of a window-frame.

6. In a shade-supporter, a body portion, an arm thereon, a roller-bearing on said arm, a threaded stem on said body portion, a sleeve adapted to rotate on said stem after said supporter is in position, and means on said sleeve for engaging a window-frame, when said sleeve is rotated.

7. In a shade-supporter, a body portion, an arm, thereon, provided with a bearing, a stem suitably mounted on said body portion, a sleeve engaging said stem, a bearing attached to said sleeve and means for engaging the back of the window-frame.

8. In a shade-supporter, a suitable body portion, an arm mounted thereupon, a bearing on said arm, means for locking the latter, an internally-threaded sleeve, a threaded stem attached to said body portion, and engaging said sleeve, a roller-bearing attached to said sleeve, and means on the latter adapted to engage a window-frame.

JOSEPH PARRISH BAUMGARTNER.

Witnesses:

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