

No. 704,532.

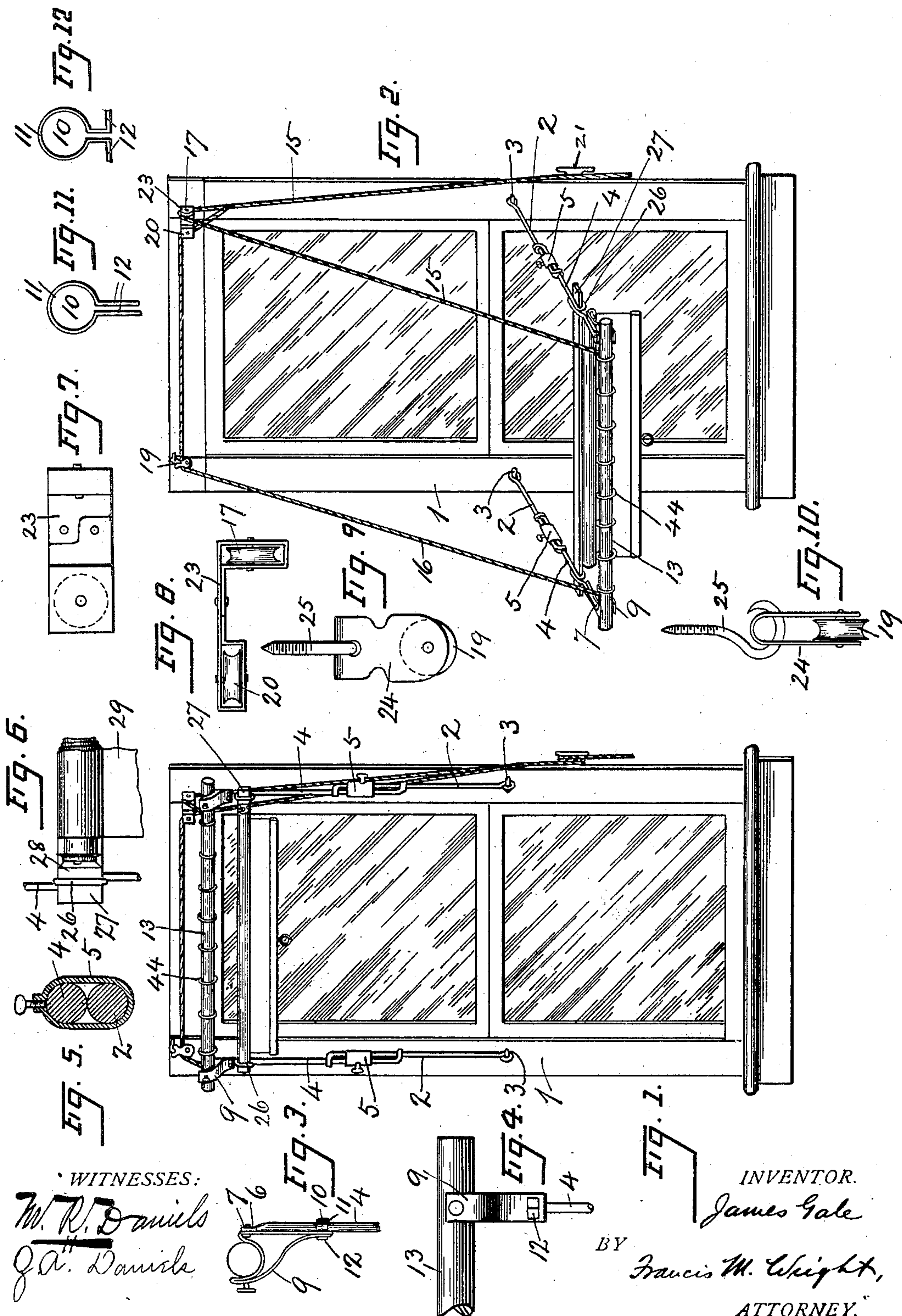
Patented July 15, 1902.

J. GALE.

WINDOW CURTAIN AND SHADE SUPPORT.

(Application filed Jan. 22, 1901.)

(No Model.)





# UNITED STATES PATENT-OFFICE.

JAMES GALE, OF SAN FRANCISCO, CALIFORNIA.

## WINDOW CURTAIN AND SHADE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 704,532, dated July 15, 1902.

Application filed January 22, 1901. Serial No. 44,325. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES GALE, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Window Curtain and Shade Supports, of which the following is a specification.

My invention relates to that class of window curtain and shade supports in which the window shade and curtains are supported on the ends of arms pivoted at their lower ends to the window-frame, so as to be swung forward when desired to permit the curtain and shade to be removed, or to be lowered to dust the upper portion thereof, or to ventilate the room through the top of the window without exposing to view the occupants of the room.

The objects of my invention are to provide a device of this character of a neat and attractive appearance, which, moreover, may be adapted to the curtain-fixtures at present in use and be adjustable to various sizes of such fixtures.

My invention therefore resides in the novel construction, combination, and arrangement of parts for the above ends hereinafter fully specified and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a window-casing illustrating the application of my invention, showing the combined curtain and shade support in its elevated position. Fig. 2 is a similar view showing the device in its lowered position. Fig. 3 is an enlarged detail side view of the top of a supporting-rod. Fig. 4 is a front view of the same. Fig. 5 is a cross-section through the clamp for clamping the two sections of the rod together. Fig. 6 is a front view of the end of the rod for supporting the shade-roller. Fig. 7 is an enlarged view of the double sheave. Fig. 8 is a top view of the same. Fig. 9 is a front view of the single sheave. Fig. 10 is a side view of the same. Fig. 11 is a detail of the fastener for the lower end of the curtain-bracket before the end is bent back, and Fig. 12 is a similar view after the ends are bent back.

Referring to the drawings, 1 represents a window-casing, and 2 denotes round metallic

rods formed at their lower ends into eyes engaging screw-eyes 3. Said rods 2 adjustably engage similar rods 4 and are clamped thereto in any desired position of adjustment by the clamp 5. The upper ends of the rods 4 are fastened as shown at 6 and are apertured, as at 7. To said upper ends are attached the ordinary sheet-metal brackets 9 for supporting the curtain-poles, substantially triangular in form, the upper end of the bracket being riveted through the hole 7.

A principal object of my invention is to provide a construction in which very few parts have to be added to the parts already in use, such parts also to be of neat and attractive appearance. For the latter reason I make the supporting-arms of round metallic rods. To attach to said rods the ordinary curtain-pole brackets, which differ considerably in size, I provide the following construction: While, as has been already stated, the top of the bracket is riveted to the flat top of the rod, the lower end of the bracket is secured upon the round portion of the rod by means of a fastener 10, Figs. 3, 11, and 12, which has a round central part 11, loosely surrounding the rod, and two prongs 12, which are passed forward through the rivet-hole in the lower end of the bracket 9 and are then bent back, as shown in Fig. 12. This construction permits the rods to be attached to curtain-pole brackets, even though the latter differ considerably in size, as it does not depend upon the width of the bracket, and the ring 11 surrounds the rod 4, and, in conjunction with the rivet at the upper part of the bracket, supports said bracket at whatever point on said rod said ring is located.

13 represents the curtain-pole, supported in the brackets 9, and 44 represents the rings on said pole. To the pole 13 are attached cords 15 16, the cord 15 at one end being carried over a sheave 17 and thence downward by the side of the window-casing. The cord 16 at the other end is carried over a sheave 19, hinged on the window-casing, thence across said casing to the other side of the window, and there passed around a sheave 20 and down the side of the window-casing, being connected to the cord 15, said cord 15 being secured to a cleat 21, affixed to the window-casing.

The sheaves 17 and 20 are supported by



means of a sheet-metal casing 23, secured to the window-casing, while the sheave 19 is supported by a sheet-metal block 24, pivotally attached by a screw-hook 25 to the window-casing.

The rods 4 are bent at their upper ends into two loops 26, which contain the ends of a flat rod 27. Upon said rod 27 are secured the metal brackets 28, Fig. 6, forming bearings for the shade-roller 29. Said flat rod supports said brackets at a constant distance from each other. In prior devices of this character the brackets 28 have been attached direct to the swinging supporting-arms and have thus been liable to be separated to such an extent that the shade-roller drops out of its bearing in said brackets. The present construction avoids this, while at the same time the rod 27 is located behind the shade-roller and does not detract from the appearance of the window-fixture.

I claim—

In a curtain and shade support, the combination of metallic arms provided with pivotal connections to be attached to the window-casing, sheet-metal brackets substantially triangular in form, fixedly secured in their upper ends to the upper ends of said arms, fasteners in the lower ends of the said brackets said fasteners comprising round central parts loosely surrounding said arms and prongs passed through and secured in rivet-holes in the lower ends of said brackets, and a curtain-pole carried by the upper sides of said brackets, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JAMES GALE.

Witnesses:

FRANCIS M. WRIGHT,  
Z. A. DANIELS.