

No. 877,704.

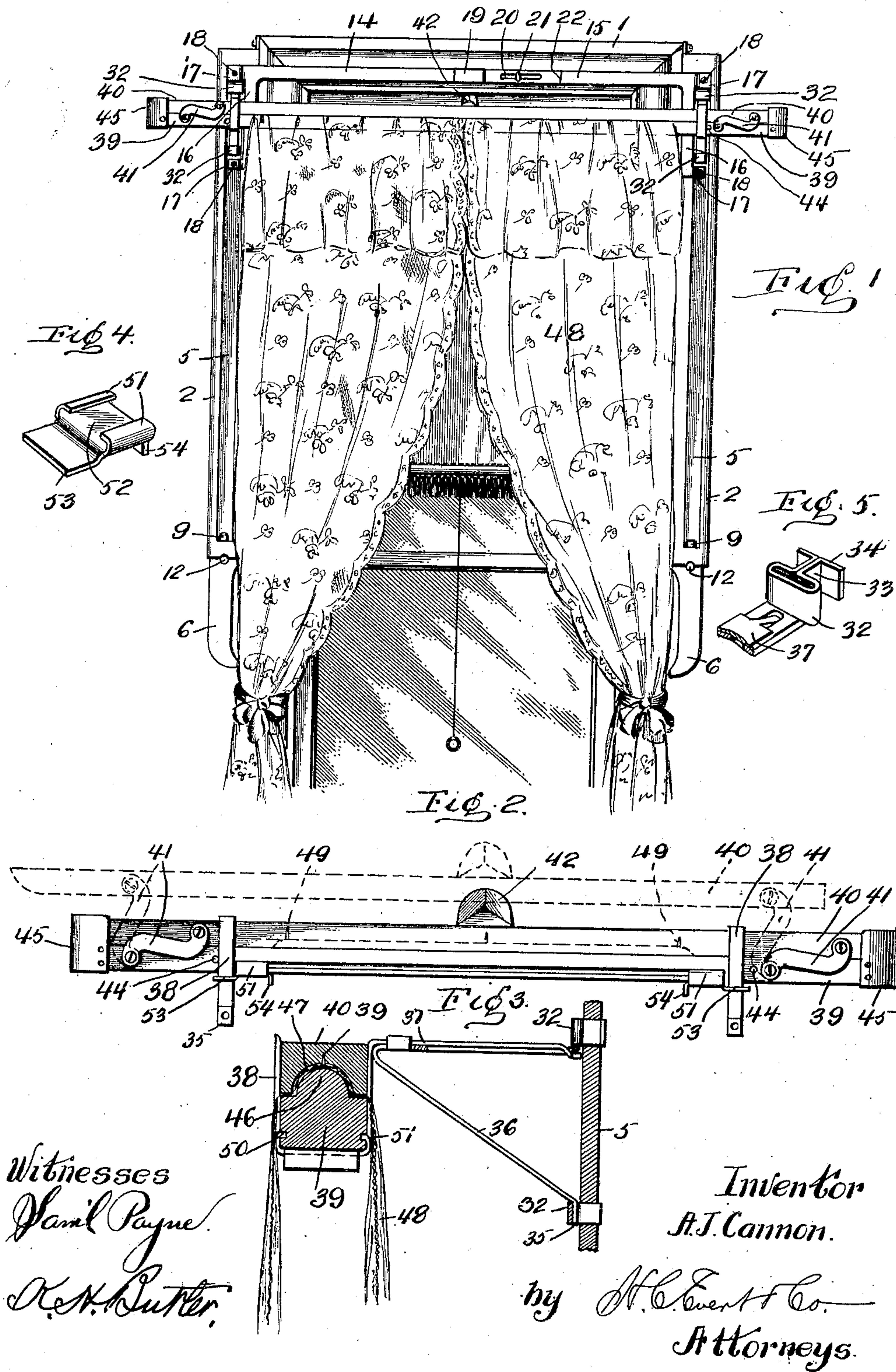
PATENTED JAN. 28, 1908.

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CURTAIN AND SHADE FIXTURE.

APPLICATION FILED JULY 18, 1906. RENEWED NOV. 12, 1907.

2 SHEETS—SHEET 1.



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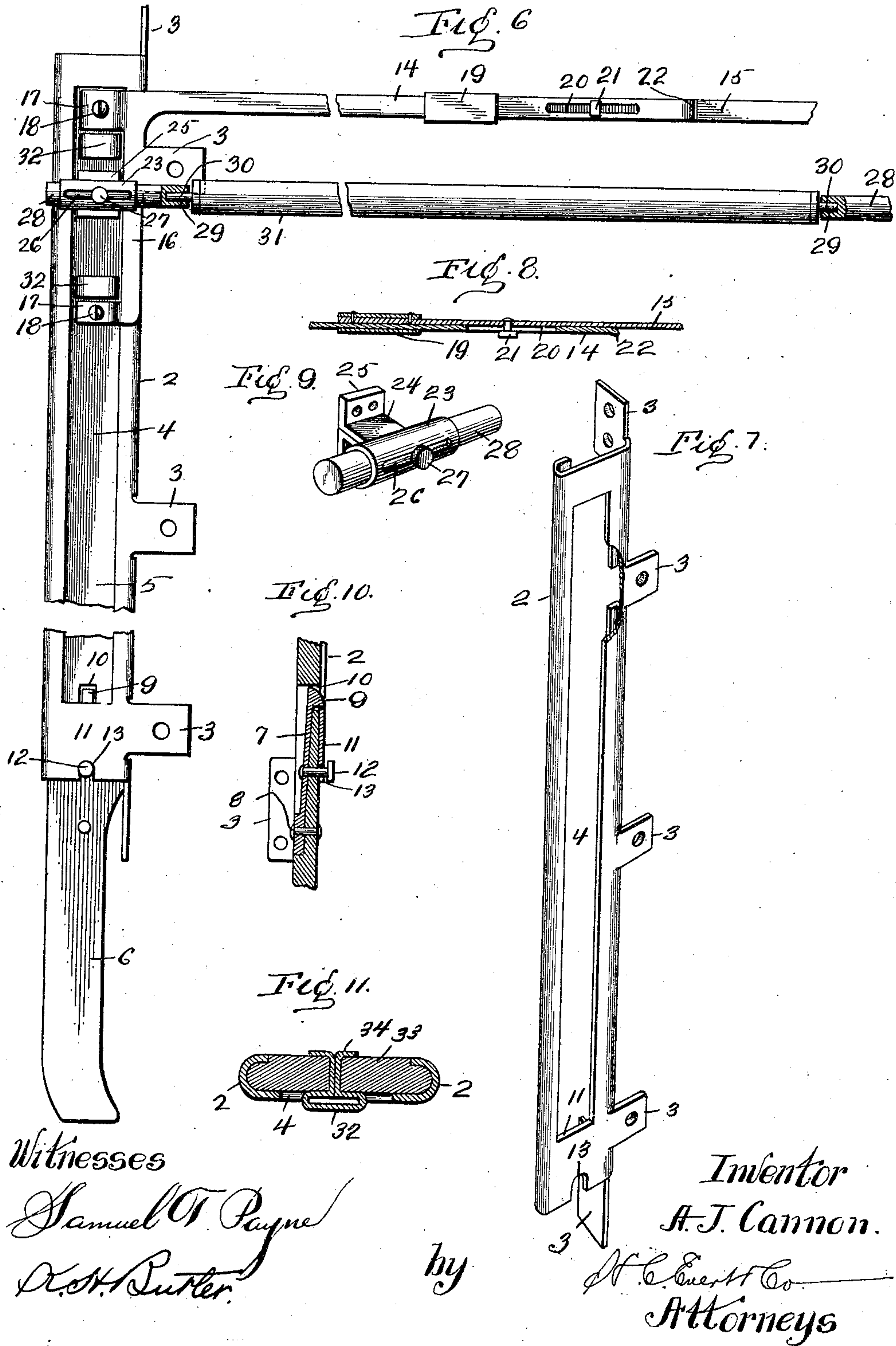
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# UNITED STATES PATENT OFFICE.

ALEXANDER J. CANNON, OF WILKINSBURG, PENNSYLVANIA.

## CURTAIN AND SHADE FIXTURE.

No. 877,704.

Specification of Letters Patent.

Patented Jan. 28, 1908.

Application filed July 18, 1906, Serial No. 326,709. Renewed November 12, 1907. Serial No. 401,871.

*To all whom it may concern:*

Be it known that I, ALEXANDER J. CANNON, a citizen of the United States of America, residing at Wilkinsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Curtain and Shade Fixtures, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to window fixtures, and its primary object is to provide novel and effective means for supporting a window shade roller, and a curtain pole and permitting the roller and pole to be adjusted vertically.

A further object of the invention is to provide improved means for effecting a longitudinal adjustment of a shade roller support.

A further object of the invention is to provide novel means for securing and adjusting the supporting brackets of a curtain pole.

A further object of the invention is to provide simple and convenient means for securing a curtain upon its pole, without the employment of the usual rings and suspending pins.

The construction of the improved fixture will be fully described hereinafter, in connection with the accompanying drawing which forms part of this specification and its novel features will be defined in the appended claims.

In the drawing, Figure 1 is an elevation of a window frame, with my improvement applied thereto, Fig. 2 is a front elevation of the curtain pole and its supporting brackets, Fig. 3 is a vertical section of the pole, showing one of its supporting brackets in side elevation in position upon its support, Fig. 4 is a detail perspective of one of the slides used for securing the curtain pole to its brackets, Fig. 5 is a similar view of one of the clips for securing the curtain pole brackets, Fig. 6 is a front elevation of one of the vertically adjustable slides for supporting the shade roller and curtain pole brackets, and the guide for said slide, Fig. 7 is a view in perspective of one of said guide-ways, Fig. 8 is a longitudinal section of means for effecting the lateral adjustment of the vertical slides, Fig. 9 is a detail perspective view of one of the hangers of the shade roller supports, Fig. 10 is a longitudinal section of one of the spring catches for detachably securing the slides to their guides, and Fig. 11 is a horizontal section

showing the manner of securing the curtain pole brackets to the slides.

The reference numeral 1 designates a window frame to each side of which is secured a guide 2, preferably of the skeleton form best shown in Figs. 6 and 7 and having projecting perforated lugs 3 to receive screws for securing the guides to the window frame. The guides are each formed from a sheet metal plate cut away at its front as at 4, and bent at its longitudinal edges to provide a grooved guide way to receive slides 5, the lower ends of which are provided with handles 6 by means of which the slides and parts attached thereto may be readily adjusted vertically.

Each of the slides 5 is recessed on its rear surface above the handle 6 to receive a spring catch 7, said catches being secured at their lower ends by rivets 8 and formed at their upper ends with heads 9 projecting through openings 10 in the slides to engage the lower cross bars 11 of the guides. To each of the spring catches 7 at about midway its length is secured a headed pin 12 projecting through an opening in the slide and adapted to enter a rounded slot 13 in the lower edge of the adjacent cross-bar of the guide. The upper ends of the slides are connected by an adjustable bar consisting of telescopic sections 14 and 15, each provided at its outer ends with a depending arm 16, from which project perforated ears 17 to receive screws 18 for securing the sections 14 and 15 to the slides. The inner end of the section 14 is provided with a loop 19, through which the section 15 extends, and said section 15 is formed with an elongated slot 20 through which extends a headed rivet 21 for securing the sections 14 and 15 together adjustably. The inner extremity of the section 15 is bent outward to provide a finger-piece 22.

To each of the slides 5 is secured a tubular bearing 23 having integral lugs 24, formed with oppositely disposed perforated ears 25. The bearings 23 are each formed with an elongated slot 26 through which extends a headed pin 27 projecting from a roller-supporting rod 28 supported within the bearing. The inner ends of the rods 28 are formed with sockets 29 for the reception of the journals 30 of a shade roller 31 and the rods 28 may be readily adjusted longitudinally to support rollers of different lengths.

Above and below the roller-supporting rods 28 are arranged keepers 32 each comprising a strip of sheet metal bent to form a



loop or keeper and two abutting arms 33, which extend through the slides and are clenched on the outer sides of the slides by bending them in opposite directions as at 34 (Fig. 11). Within the keepers 32 are detachably secured the oppositely extending ends 35 of adjustable curtain pole brackets comprising triangular body portions 36 and extensible arms 37 adjustably secured to the body portions 36 and bent at their outer ends to provide hangers 38 for a curtain pole, consisting of two separable bars 39 and 40 connected by pivoted links 41 which permit the upper bar 40 to be raised to the position shown in Fig. 2 by means of a handle 42 projecting centrally from said bar 40. One of the links 41 is formed with a shoulder 43 adapted to engage a stop pin 44 on the lower bar 39 to limit the lateral movement of the bar 40. To each end of the lower bar 39 is secured a curved guard 45 concealing the ends of the two pole sections or bars.

The upper side of the lower bar 39 is provided with a convex projection 46, fitting a corresponding concavity 47 in the under side of the upper bar to provide a clamp to secure a curtain 48, suitable pins 49 projecting from the convex surface 46 to engage the curtain. The lower bar 39 of the curtain pole is formed with longitudinal slots 50 on opposite sides to receive the inwardly turned ends 51 of slides 52, each of said slides having an inwardly and downwardly projecting plate 53, adapted to engage below the adjacent hanger 38 and a depending lip 54 serving as a finger-piece by means of which the slide is adjusted upon the bar 39.

The utility and operation of the various features of the improved construction will be readily understood from the foregoing description, in connection with the drawing. It will be seen that the curtain pole and its supporting brackets as well as the shade roller and its supports are carried by the slides 5, and to raise and lower the same it is only necessary to grasp the handles 6 of the slides and move the latter down or up. The spring catches 7 on the slides lock the slides in their normal elevated position.

The adjustable rods 28 adapt the device to support shade rollers of different length, and the curtain pole comprising the two separable bars provides a simple and effective means for supporting curtains without the

use of the ordinary rings and pins. The telescopic connecting bars 14 and 15 of the slides adapt the latter for application to window frames of any width and the securing devices for the curtain pole brackets permit the ready removal of said brackets without disturbing the shade-roller and its supports.

What I claim and desire to secure by Letters Patent, is:—

1. A window curtain fixture comprising spaced guides adapted to be secured to the opposite sides of a window frame, slides movable within said guides and having each a depending handle, means for detachably supporting the slides in the guides, shade roller supports on said guides, and means comprising keepers extending through the slides for detachably securing the curtain pole brackets to the slides.

2. A window curtain fixture comprising guides spaced apart and provided with perforated laterally extending lugs and open at their front sides, slides adapted to be vertically adjusted within said guides, spring supported catches for detachably securing the slides to the guides, shade roller supports adjustably connected to said slides and projecting through the open sides of the same, curtain pole brackets secured to said slides, a curtain pole supported by said brackets, and slides on said pole and operating to detachably secure it to said brackets.

3. A curtain fixture comprising spaced guides each formed from a single sheet of metal having a central longitudinal opening and with the edges turned parallel to the body of the plate to form spaced parallel guides extending longitudinally of the opening in the plate, said plate having laterally extending spaced ears perforated to receive fastening means, slides movably disposed in said guide ways and provided with a stop adapted to engage beneath one end of said guides, a spring operated catch carried by said slide and adapted to yieldably engage said guide and hold the slide in one position, and curtain pole brackets carried by said slides.

In testimony whereof I affix my signature in the presence of two witnesses.

ALEXANDER J. CANNON.

Witnesses:

WM. J. LEIDNER,  
OLIVER CANNON.