

1,048,777.

Fig. 1

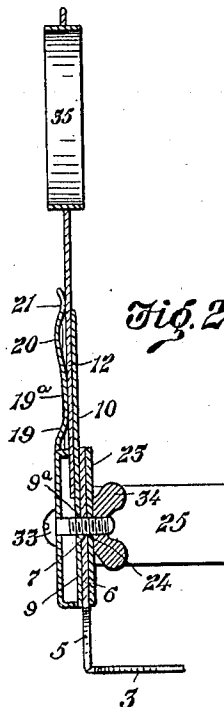


Fig. 2

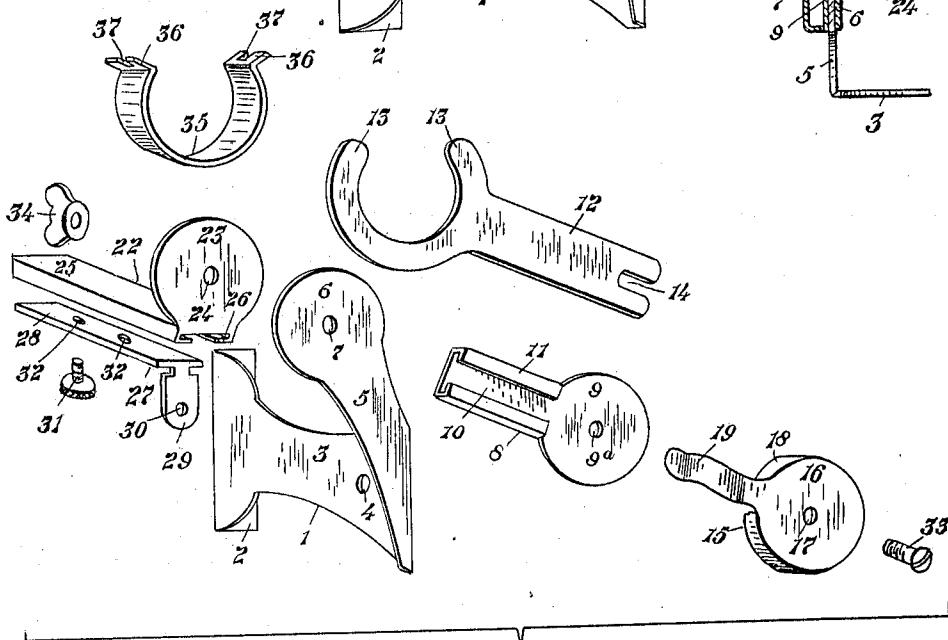


Fig. 3

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UNITED STATES PATENT OFFICE.

HARMON E. WIREBAUGH, OF CANTON, OHIO, ASSIGNOR OF ONE-HALF TO DAVID W. WIREBAUGH, OF CANTON, OHIO.

ADJUSTABLE SHADE AND CURTAIN BRACKET.

1,048,777.

Specification of Letters Patent.

Patented Dec. 31, 1912.

Application filed March 15, 1912. Serial No. 684,066.

To all whom it may concern:

Be it known that I, HARMON E. WIREBAUGH, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented a new and useful Adjustable Shade and Curtain Bracket, of which the following is a specification.

My invention relates to improvements in adjustable devices for supporting shade rollers and curtain poles at windows.

The objects of the invention are to generally improve devices of the character mentioned, to provide a device to be attached to a window casing, which will be adapted for both vertical and extensible adjustment of the curtain pole supporting means and for horizontal, vertical and extensible adjustment of the shade holding means. The adjustments mentioned are desirable not only to accommodate the shades and curtains to different windows under varying conditions, but also to make it possible to use the same shades and curtains at different windows without altering said shades and curtains themselves and to accomplish these desirable results by a construction which is simple, strong, durable and very efficient. These objects, together with other objects which will be apparent to those skilled in the art, may be attained by the construction illustrated in the accompanying drawings, although the invention may be embodied in other forms, the construction illustrated being chosen by way of example.

In the drawings Figure 1 is a perspective view of an adjustable shade and curtain bracket embodying my invention, one adjustment of the curtain pole supporting means being shown in dotted lines. Fig. 2 is a sectional view on the line 2—2 of Fig. 1, the curtain pole arm being extended. Fig. 3 is a view showing all of the component parts of one of the devices separated from each other to more fully disclose the construction.

Throughout the several views similar reference numerals indicate similar parts.

The numeral 1 indicates generally the stationary base, which is preferably formed from sheet metal and is provided with the attaching flange 2 adapted to bear against the edge of the window casing and provided with screw apertures (not shown) to provide for attaching the same to said casing.

Extending at right angles with reference to the flange 2 is the main base portion 3, adapted to lie against the front or face of the casing and preferably provided with an aperture 4 through which fastening means may extend into said casing if it is desired to make the attachment to said casing more rigid. Extending outwardly and upwardly from the main base portion is the integral fixed supporting arm 5 provided at its free extremity with the stationary disk 6 lying in a vertical plane and provided with a central aperture 7. Said stationary disk, it should be noted, is the portion of the base to which both the curtain pole and shade supporting parts are connected.

The curtain arm holder, generally indicated by the numeral 8 is provided with the flat disk portion 9 having the central aperture 9^a and the integral extension 10 lying in the same plane as the disk 9 and provided with opposite, inwardly turned flanges 11 which are adapted to slidably receive the stem portion 12 of the curtain arm. Said curtain arm is preferably stamped from flat sheet metal and is provided with the spaced fingers 13 formed integrally with the stem portion 12 at one end and the other end of said stem portion being provided with a longitudinally disposed notch 14.

The curtain arm spring, generally indicated by the numeral 15 is provided with a disk portion 16 provided with a central aperture 17 and with a marginal flange 18 inwardly disposed. Formed integrally with the disk portion 16 is the extended spring tongue 19 which is bent inwardly at 19^a, out of the plane of the disk 16, thence outwardly at 20, and thence inwardly again at 21, for the purpose hereinafter more fully disclosed.

The roller holder slide, generally indicated by the numeral 22 is provided with a flat disk portion 23 having the central aperture 24, and the extension 25, formed integrally with the disk 23, joins the disk 23 at its edge, is arranged at right angles to the plane of the disk 23, and is provided with means, such as the integral flanges 26, for receiving and guiding the roller holder, which is generally indicated by the numeral 27. The base 28 of the roller holder is adapted to slide longitudinally with reference to the extension 25 and between the flanges 26, and said base is provided with

the integral dependent portion 29 provided with an appropriate aperture 30 to receive one of the lugs of the shade roller. It will be understood that the said aperture 30 should be either round as shown in the drawing or of the well known elongated shape as the dependent portion is intended to support one or the other of the ends of the shade roller. Means should be provided for holding the base 28 in fixed adjustment with reference to the extension 25, and in the drawing I have illustrated a thumb screw 31 adapted to screw into one of the screw threaded apertures 32 in the base 28 and against the extension 25 so as to clamp said base and said extension in relative fixed adjustment.

For the purpose of connecting the disks 16, 9, 6 and 23 the screw 33 and wing nut 34 are provided and in assembling the various parts the screw 33 is extended serially through the apertures 17, 9^a, 7, and 24 and the wing nut arranged and drawn up upon the screw 33 so as to clamp the various disks together in the order mentioned and as will be seen by an inspection of Fig. 2.

The marginal flange 18, spacing the disk 16 outwardly from the disk 9, permits the stem portion 12 of the curtain arm to slidably move between the flanges 11, it being possible to enter the stem portion until the notch 14 receives the screw 33. The spring tongue 19, at the points where the same is inwardly bent, engages the stem portion 12 where same is exposed between the flanges 11 and thus frictionally holds said stem portion in contact with the extension 10. Upon loosening the wing nut 34 and thus relieving the tension of the tongue 19 the stem portion 12 may be longitudinally slidably moved to extend the fingers 13 farther outwardly or frontwardly from the window casing. In Fig. 2 the curtain arm is shown thus partly extended. As soon as the wing nut 34 is drawn up firmly the tongue 19 will be caused to bear against the stem 12 with sufficient force to hold it firmly in place.

It will be understood that when the wing nut 34 is loosened both the curtain arm portion and roller holder portion of the device may be pivotally adjusted about the screw 33 and in Fig. 1 I have illustrated said curtain arm in one position in full lines and in another position in dotted lines to show the possibility of such adjustment. In making such adjustment the disks 16 and 9 will rotate together with reference to the stationary disk 6 and when the wing nut 34 is drawn up firmly the frictional contact between the disk 9 and the disk 6 is sufficient to prevent rotation of said disk 9. In similar manner the disk 23 may be rotated when the wing nut 34 is loosened but is held in fixed adjustment when said wing nut is drawn up firmly and said disk 23 thus

pressed into frictional contact with the disk 6.

It will be understood that the base 28 may be slidably adjusted with reference to the extension 25 and held in fixed adjustment by means of the thumb screw 31. The dependent portion 29 may be so arranged as to be extended beyond the extension 25 at either end thereof and thus a great amount of adjustment is made possible to accommodate shade rollers of different lengths.

For the purpose of preventing the edges of the fingers 13 from injuring the curtain pole, and to give a broad and substantial bearing for said pole a guard, generally indicated by 35, is provided. Said guard is stamped from sheet metal and forms a portion of a ring, with out-turned ends 36 having notches 37 adapted to receive the fingers 13, as shown in Fig. 1, for the purpose of holding said guard in position. As will be readily seen from an inspection of the drawings, said guard when connected to said fingers provides a broad and substantial bearing for the curtain pole.

In use, it will be understood, that two of the above described devices should be used at each window, one at each side. The stationary bases of said devices having been attached to the casing the roller holders should be adjusted with reference to the extensions 25 so as to accommodate the shade roller intended to be used. It should be here noted that not only are the dependent portions 29 adjustable by transverse movement with reference to the window, but the disk portions 23 may be rotated with reference to the disk 6 so as to throw the shade roller closer to or farther from the window, or to throw the dependent portion 29 from the downward position illustrated in the drawings into upwardly extending position, thus rotating the disk portion 23 one-half a complete revolution and making a very considerable vertical adjustment of the shade roller. The curtain pole may then be placed in position in the guards 35 of the two curtain arms and said arms adjusted to proper height by rotation of the disk portions 9 with reference to the disks 6, as hereinbefore described, and should it be desired to extend the curtain farther from the window the stem portions 12 may be slidably moved outwardly, as shown in Fig. 2, until the desired extension has been attained. The appropriate adjustment having been made, the wing nuts 34 should be drawn up firmly, whereupon all parts will be held in adjustment.

I claim:

1. An adjustable shade and curtain bracket comprising a stationary base having a fixed, outstanding arm, said arm provided at its extremity with a stationary, vertically disposed disk, a curtain supporting arm provided with a disk-engaging portion arranged

face to face with said stationary disk and frictionally engaging the same, a shade roller supporting device provided with a disk-engaging portion arranged face to face
 5 with and frictionally engaging said stationary disk, pivotal means extending through said disk and portions to permit relative pivotal movement thereof, and means for clamping said disk and portions together in
 10 frictional contact.

2. An adjustable shade and curtain bracket comprising a stationary base having a fixed, outstanding arm, said arm provided with a stationary, vertically disposed disk, a curtain
 15 arm holder provided with a disk registering with and in frictional contact with said stationary disk, a curtain arm provided with means for engaging a curtain pole, said curtain arm adjustably connected to said
 20 curtain arm holder, a roller holder slide provided with a disk registering with and in frictional contact with said stationary disk, a roller holder adjustably connected to said roller holder slide and adapted to support
 25 one end of a shade roller, the disks of said curtain arm holder and roller holder slide adapted for adjustment within vertical planes with reference to said stationary disk and with reference to each other, and means
 30 for clamping the said three disks together in fixed adjustment.

3. In a device of the character described a stationary, vertically disposed disk provided with means for attachment to a window casing, a curtain arm holder comprising a disk
 35 portion arranged in frictional contact with said stationary disk, said holder also provided with an integral extension having oppositely disposed in-turned flanges, a curtain
 40 arm comprising a stem portion slidably arranged between said oppositely disposed flanges of said holder and adapted for longitudinal sliding movement with reference to said extension, said stem portion provided

at its free extremity with integral fingers 45 adapted to support a curtain pole, a curtain arm spring comprising a disk portion and a spring tongue, said disk portion adapted to register with the disk portion of said holder and said tongue adapted to frictionally en- 50 gage said stem portion between said oppositely disposed flanges, and pivotal means for connecting the three disks mentioned and adapted to clamp said disks together in relative fixed adjustment. 55

4. In a device of the character described a curtain arm provided at its free extremity with spaced curtain supporting fingers and a guard formed from a strip of sheet metal bent to form a partially complete ring, and 60 the ends of said strip outwardly turned and provided with notches, said guard arranged between said fingers, and said fingers received into said notches for holding said guard in place. 65

5. In a device of the character described a stationary, vertically disposed disk provided with means for attachment to a window casing, a roller holder slide provided with a vertically disposed disk in frictional, face to 70 face contact with said stationary disk, means for pivotally connecting said two disks to each other and for clamping same in fixed pivotal adjustment, a horizontal extension connected to said roller holder disk, and a 75 roller holder connected to said extension, said roller holder adapted for transverse horizontal adjustment, and means for holding said roller holder in fixed adjustment with reference to said extension. 80

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HARMON E. WIREBAUGH.

Witnesses:

JOHN H. BISHOP,
 WILLIAM H. MILLER.