

July 19, 1927.

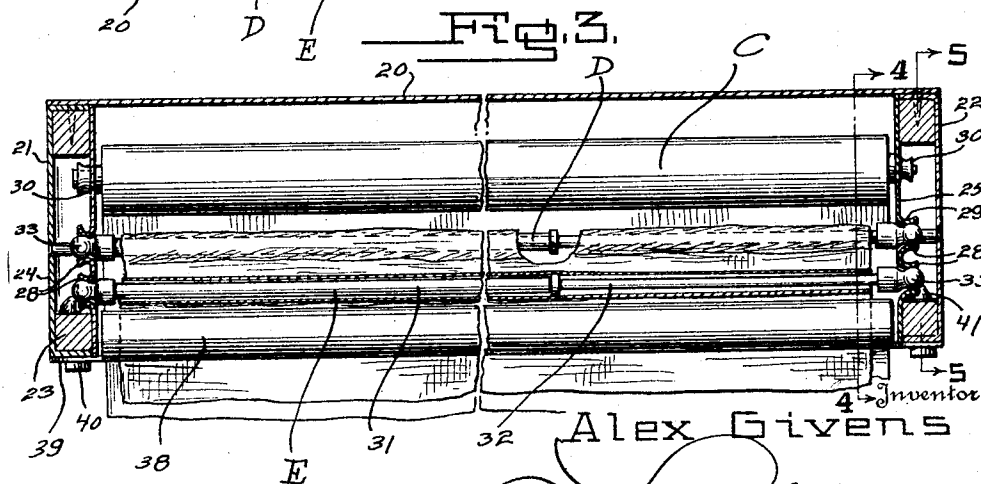
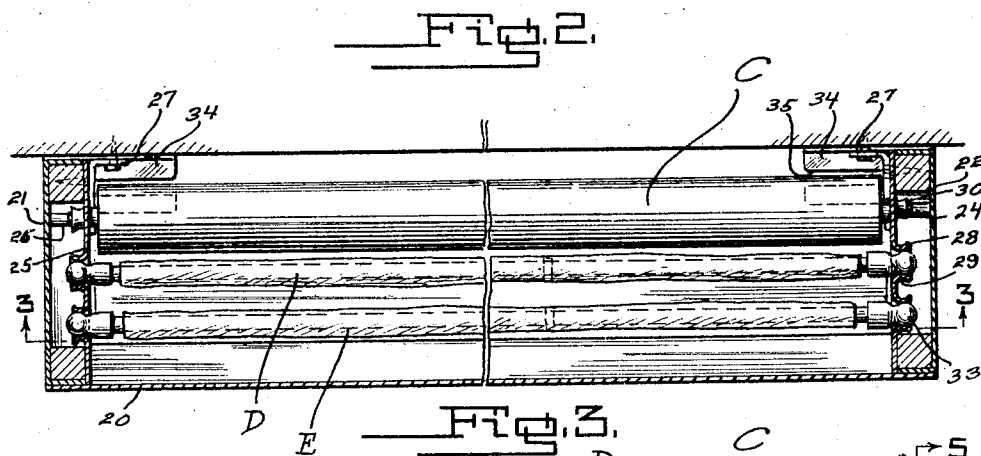
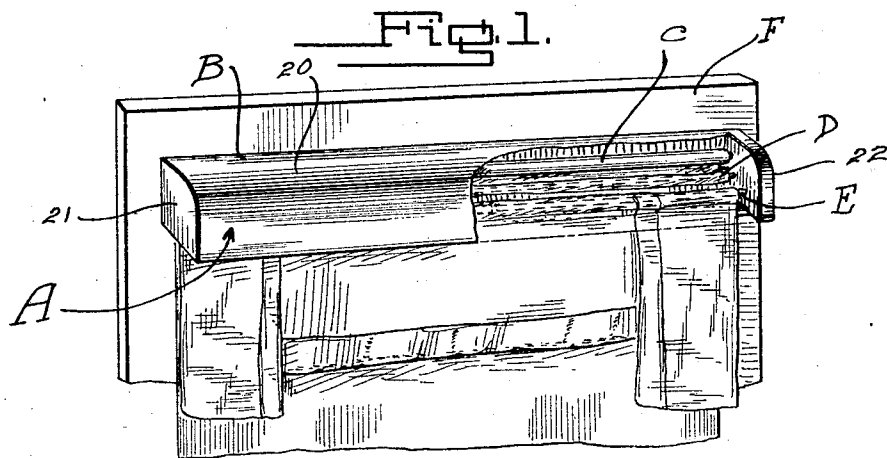
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1,636,601

COMBINED CURTAIN, SHADE, AND DRAPERY SUPPORT

Filed Dec. 9, 1925

2 Sheets-Sheet 1



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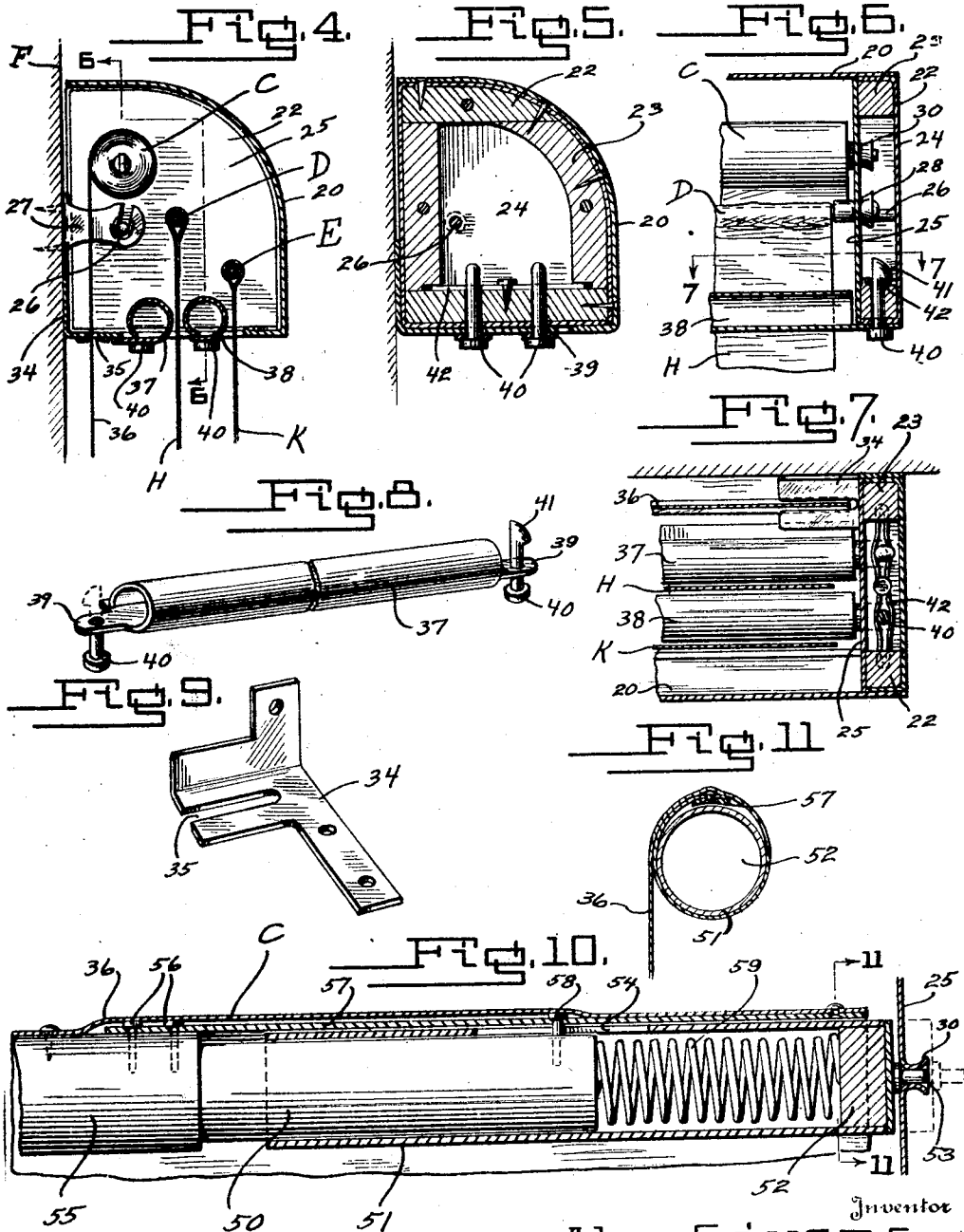
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COMBINED CURTAIN, SHADE, AND DRAPERY SUPPORT

Filed Dec. 9, 1925

2 Sheets-Sheet 2



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Patented July 19, 1927.

1,636,601

UNITED STATES PATENT OFFICE.

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COMBINED CURTAIN, SHADE, AND DRAPERY SUPPORT.

Application filed December 9, 1925. Serial No. 74,357.

The present invention relates to improvements in combined curtain, shade and drapery supports, and the primary object of the invention is to provide an improved support of this character embodying features whereby a curtain, shade and drape may be pendently supported within a casing which conceals the supports therefor, and which casing also serves for preventing the accumulation of dust on the upper portions of the articles supported thereby.

A further object of the invention is to provide an improved support of this character embodying fixed supporting heads, and between which heads a plurality of longitudinally adjustable supporting fixtures are disposed with their ends supported in the confronting spaces of the heads in a manner so as to permit of ready placing and removing of the fixtures from the heads.

A still further object of the invention resides in the provision of an improved support of this character having filler pieces detachably secured at their ends to the under surface of the casing of the support, and which filler pieces aside from forming a partial closure for the lower side of the casing also serve as guides for certain of the articles supported in the casing.

A still further object of the invention resides in the provision of improved longitudinally adjustable shade roller so constructed as to permit of the bearings carried by the opposite ends thereof being mounted in suitably formed apertures provided in the confronting faces of a pair of supporting brackets.

Other objects and advantages of the invention will be apparent during the course of the following detailed description taken in connection with the accompanying drawings forming a part of this specification and in which drawings:

Figure 1 is a perspective view showing the improved support secured to a window casing, and showing parts of the support broken away for illustrating certain details of construction.

Figure 2 is an enlarged horizontal section through the support.

Figure 3 is a vertical longitudinal section taken substantially on line 3—3 of Figure 2.

Figure 4 is a transverse section on line 4—4 of Figure 3, looking in the direction of the arrows.

Figure 5 is a transverse section through

one of the supporting heads taken on line 5—5 of Figure 3.

Figure 6 is a fragmentary sectional view of one end of the support on line 6—6 of Figure 4.

Figure 7 is a fragmentary horizontal section on line 7—7 of Figure 6.

Figure 8 is a perspective view of one of the filler pieces for attachment to the under side of the support.

Figure 9 is a perspective view of one of the guide pieces for the edges of the roller shade.

Figure 10 is an enlarged view partly in section and part in elevation of one end of the improved shade roller.

Figure 11 is a transverse section on line 11—11 of Figure 10.

In the drawings, and wherein similar reference characters designate corresponding parts throughout the several views; A designates the improved support embodying a frame B in which is removably mounted the roller shade C and the curtain and drape fixtures D and E respectively. The improved support A has been shown secured to the upper portion of a window casing F.

The frame B which may be of any desired length and which is preferably of a shape in cross section as illustrated in the drawings, embodies a sheet metal cover plate 20 which is closed at each end by fixture supporting heads 21 and 22. Each of the supporting heads embodies a frame 23 to the outer side of which a closure plate 24 is secured, and to the inner sides of which heads are secured supporting plates 25 adapted for receiving the ends of the various fixtures supported within the frame B. The cover plate 20 which extends across the upper and front faces of the heads 21 and 22 is secured to the heads in any desired manner and serves also as a means for retaining the heads in proper spaced relation.

Extending through the supporting heads 21 and 22, are suitable pins 26 which are adapted to be positioned in suitable supporting bracket 27 for supporting the frame upon the window F. It is to be understood however that various means may be employed for securing the support to the window casing.

Formed in each of the fixture supporting plates 21 and 22, and in alignment one with another, are sockets 28 formed with reduced intermediate portion 29. A third set of

sockets 30 formed in the plates 21 and 22 are formed one with a cylindrical and one with a rectangular shaped opening for receiving the respectively shaped pintles of the roller shade C.

The fixtures D and E which are of identical construction, each embody telescopic rod sections 31 and 32 having spherical shaped heads 33 formed at their opposite ends for fitting in the yieldable sockets 28. It will be seen that when the fixtures are in position, the spherical heads 33 will prevent accidental displacement of the fixtures.

Secured to each of the supporting heads, is a guide 34 having inwardly opening slots 35 and into which the edges of the shade 36 moves for guiding the shade in a straight path when being wound up.

Filler pieces 37 and 38 having one longitudinal edge thereof coiled into tubular formation and having terminally disposed ears 39, are adapted to extend longitudinally beneath the frame B and be secured at their opposite ends to the under side of the heads 21 and 22 as by attaching pins 40. These attaching pins 40 which extending upwardly through the lower rail of the frame 23 are formed with hook shaped heads 41 which are adapted to be passed through yieldable spring arms 42 secured to the upper face of the bottom rail of the frame. These filler pieces 37 aside from forming a closure for the bottom of the frame B, also serve as guides for the curtain H and drape K. These filler pieces 37 and 38 have been made removable for the purpose of gaining ready access to the fixtures when desiring to change the articles suspended therefrom. Such removal of the filler pieces is accomplished by imparting a one-quarter turn to the pins 40 and then withdrawing the same from the supporting heads.

Referring now to the improved roller shade C, the same embodies a reduced end portion 50 over which is fitted a tubular sleeve 51 having a head 52 closing its outer end and which head carries a pintle 53 for mounting in the cylindrical socket 30 of the supporting plate 25. Formed intermediate the ends of the sleeve 51 is a longitudinally extending slot 54. Secured at one end to the shade roller 55, as by suitable pins 56, is a strip 57 which extends in overlying relation to the sleeve 51. This strip 57 forms a support for the portion of the shade 36 which extends over the sleeve 51. A pin 58 extending through the strip 57 and slot 54 into the reduced end portion 50 of the shade roller, serves for further supporting the strip 57 and also limiting the outward movement of the sleeve 51. An expansion coil spring 59 seating at one end against the end face of the reduced portion 50 and at its opposite end upon the head 52, serves as means for normally urging the sleeve to an

extended position. Thus it will be seen that by so telescopically forming the shade roller 55, that the same may be collapsed a sufficient distance for permitting of the shade being positioned between the fixed supporting heads 21 and 22. It will also be seen that when the shade roller is in its proper position that the spring 59 will serve for retaining the pintles of the roller in the sockets 30 of the supporting plates 25.

From the foregoing description it will be apparent that an extremely novel curtain, shade and drapery support has been provided whereby dust and the like will be prevented from accumulating on the supporting portions thereof, and embodying fixed supporting heads between which longitudinally adjustable fixtures may be supported in an efficient manner.

Various changes may be made to the specific form of the invention herein shown and described without departing from the spirit of the invention or the scope of the claims.

I claim:

1. In a device of the class described, the combination of a pair of hollow supporting heads, means for supporting the heads in fixed spaced relation, and supporting plates carried by the inner sides of the heads in confronting relation to one another and having yieldable sockets formed therein, said heads adapted to support extensible curtain fixtures having heads for positioning in said sockets.

2. In a support for curtain fixtures, a frame including hollow terminally disposed heads having aligned sockets provided in the confronting faces thereof for yieldably receiving the ends of said fixtures, and guides extending longitudinally of the under side of the frame and secured at their ends to said heads below the sockets for said fixtures.

3. A device of the class described comprising a frame including a cover plate and terminally disposed heads having sockets provided in their inner faces, a shade roller and curtain fixtures mounted in said sockets, and independent filler pieces secured at their ends to the lower side of the heads and extending in parallel spaced relation longitudinally of the frame.

4. In a support of the class described, the combination of a frame including fixed supporting heads having yieldable sockets provided in their confronting faces for detachably supporting telescoping rods having spherical heads formed at each end thereof for fitting in said sockets, and tubular guide pieces secured at their ends to the heads below the sockets and extending in spaced parallel relation to said rods.

5. In a combined support of the class described, a frame including a cover plate hav-

ing heads forming a closure for each end thereof, said heads having sockets provided in their inner faces for the mounting of a roller shade and curtain fixtures in vertically offset relation longitudinally within the cover plate, filler pieces forming a partial closure for the under side of the frame and providing independent guideways for each shade and curtain fixture, and means for detachably securing the ends of the filler pieces to the heads for permitting of ready access being had to the various fixtures supported in the frame. 10

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