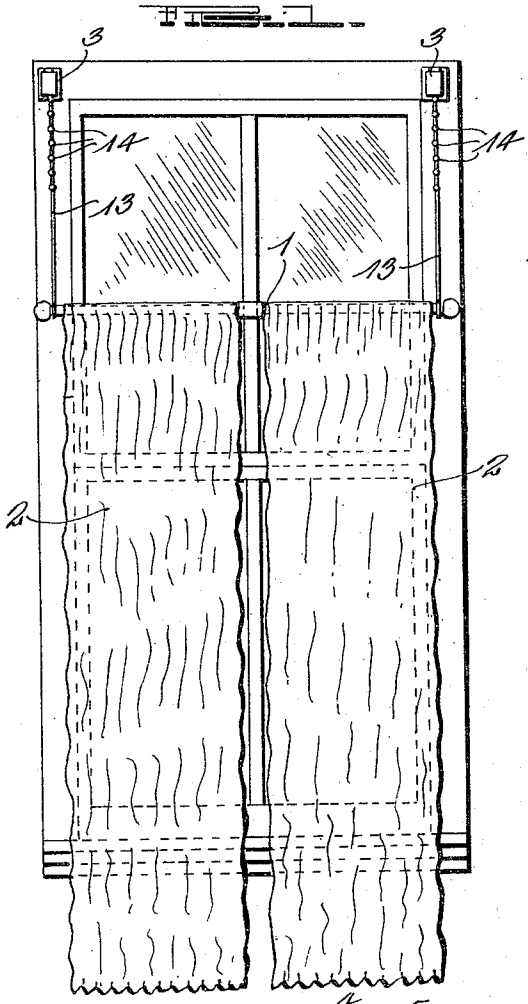
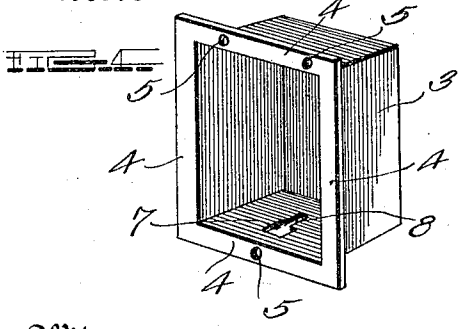
J. F. FREDAK.

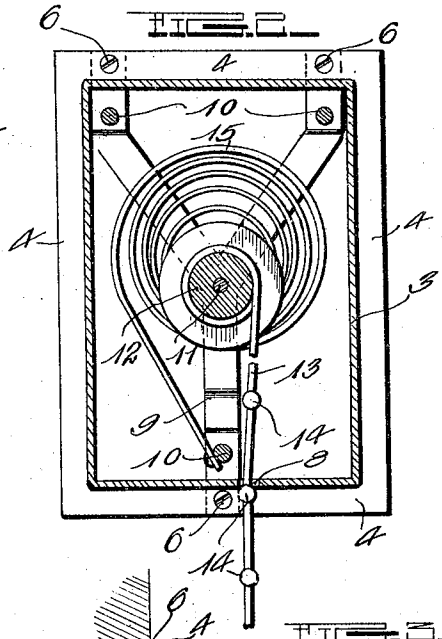
CURTAIN POLE SUPPORT.

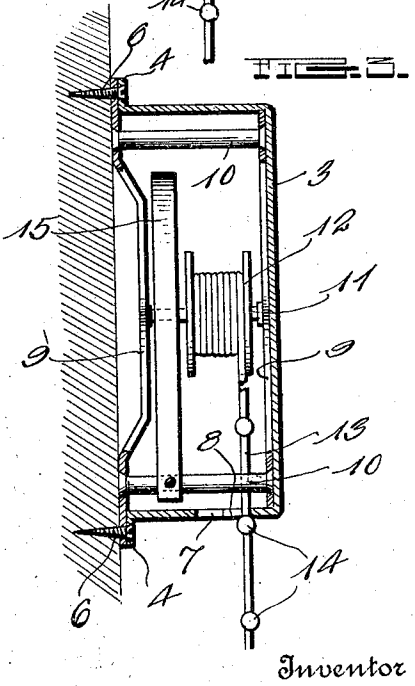
APPLICATION FILED JULY 25, 1921.

1,413,846. Patented Apr. 25, 1922.









Witness

Inventor

J. F. Fredak

By H. B. Wilson & Co.

Attorneys

UNITED STATES PATENT OFFICE.

JOSEPH F. FREDAK, OF DETROIT, MICHIGAN.

CURTAIN-POLE SUPPORT.

1,413,846. Specification of Letters Patent. Patented Apr. 25, 1922.

Application filed July 25, 1921. Serial No. 487,284.

To all whom it may concern:

Be it known that I, JOSEPH F. FREDAK, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Curtain-Pole Supports; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved curtain pole support and one object of the invention is to provide a support which will permit of a curtain pole being drawn downwardly so that the curtain can be easily removed from the pole or put in place upon the pole, the supporting means being further so constructed that the pole may be normally held in a raised position and be drawn back to the raised position after being drawn downwardly to permit of removal of a curtain or placing of a curtain upon the pole.

Another object of the invention is to provide the curtain pole mounting device with improved means for rotatably mounting a drum upon which a pole engaging line will be mounted and to provide the line with stop means for releasably preventing rewinding of the line upon the drum after the line has been unwound and a string which is connected with the drum wound during unwinding of the line.

Another object of the invention is to provide a curtain support which will be neat in appearance and which can be very easily put in place and to further provide a curtain support in which the drum, spring and frame for carrying the drum and spring may be enclosed in a housing and thus concealed from view and further protected from possible damage caused by exposure.

This invention is illustrated in the accompanying drawings, wherein:

Figure 1 is a view in elevation showing the improved curtain pole supporting devices in use and the curtain drawn downwardly to a lowered position.

Figure 2 is a vertical sectional view through one of the curtain pole supporting devices.

Figure 3 is a vertical sectional view through the housing taken at right angles to the showing in Fig. 2.

Figure 4 is a perspective view of the housing.

This device is intended for supporting a curtain pole 1 upon which will be suspended curtains 2. The curtain pole may be of any construction and may be formed in two sections if desired so that it can be adjusted according to the length of the window. One of the suspending devices will be connected with each end of the curtain pole and since they are of a duplicate construction, only one will be described in detail. Each of these suspending devices is provided with a housing 3 having outstanding flanges 4, the upper and lower ones of which will be provided with openings 5 to receive fastener screws 6 for securing the housing to the upper corner portion of a window frame. An opening 7 is formed in the bottom of the housing and is provided with a reduced extension 8 the object of which will be hereinafter brought out.

Within the housing 3 there is provided a frame having Y-shaped side members 9 connected by cross rods 10. The forward side section 9 of this frame is flat whereas the rear side section is bent as shown in Fig. 3 and extends inwardly of the housing. It should be further noted that the rear side section is somewhat longer than the forward side section so that the end portions of this rear side section will extend in overlapping relation to the upper and lower flanges of the housing 3. The extended end portions of this rear side section are provided with openings thus permitting the fastener screws to pass through the openings and serve to secure the frame in place as well as serving to secure the housing.

A shaft 11 is journaled in the frame at the junction of the upper and lower arms of the side sections 9 and carries a drum 12 upon which will be wound a line 13. This line 13 which is provided with stops 14 passes through the opening 7 of the housing and is connected with the curtain pole as shown in Fig. 1. By having the line provided with the stops 14, the line may be drawn outwardly through the opening 7 and can then be moved into the reduced extension 8 of

this opening thus causing one of the stops to engage the bottom of the housing as shown in Fig. 3 and prevent the line from being rewound upon the drum until the line has been moved into the opening 7. It is desired to normally have the line wound upon the drum and therefore there has been provided a spring 15 which is coiled about the shaft and has one end connected with the shaft and its second end connected with the lower rod 10. From an inspection of Fig. 2, it will be readily seen that when the line is drawn downwardly, the drum and shaft will be rotated and the coiled spring will be wound. When the line is permitted to move upwardly, the coiled spring will serve to rotate the shaft and drum and wind the line upon the drum.

When this device is in use, two will preferably be employed although it is obvious that if desired, a third one could be employed and have its line connected with the pole between the curtains 2. The housings will be secured to the window frame and the lines connected with the curtain pole. Ordinarily the lines will be wound upon the drums and the curtain pole will be held in a raised position with the curtains hanging properly. When it is desired to remove the curtains, it is simply necessary to draw the curtains downwardly thus drawing the pole downwardly with the curtains and of course drawing the lines 13 downwardly and unwinding the lines from the drums. When the lines are drawn downwardly, they will pass through the openings 7 of the two housings and as the lines are drawn downwardly, the springs will be wound and thus placed under tension. After the curtain pole has been drawn downwardly to a position where it can be easily reached and the curtains removed from the pole, the curtain pole will be swung away from the window thus drawing the lines into the reduced extensions 8 of the openings 7 and the pull upon the curtains will be decreased and the springs permitted to rotate the shafts and wind the lines upon the drums until the stops just beneath the housings engage the bottoms thereof and stop further upward movement of the lines. The curtains can then be removed and new ones put in place and the curtains drawn downwardly a slight distance and the pole then swung toward the window frame to move the lines out of the reduced extensions 8 back into the openings 7. The springs can then wind the lines upon the drums and the curtain pole will be drawn upwardly to the raised position where it will be supported with the curtains hanging properly. It will thus be seen that there has been provided a curtain supporting device so constructed that the curtain pole may be normally supported in a raised position but permitted of being drawn downwardly for removal of the curtain when so desired. It will be further noted that there has been provided a curtain pole supporting device so constructed that the lines may be prevented from being rewound until so desired. If it is necessary to replace the lines or make any repairs to the springs or other parts of the devices, it is simply necessary to remove the screws 6 and the frame carrying the shaft 11, drum 12 and spring 15 can be removed bodily from the housing. There has been provided a curtain pole support which will be very effective in use and in which the parts thereof can be easily and quickly repaired or renewed.

I claim:

1. A curtain pole support comprising a housing open at its rear and having an opening in its bottom, a frame in said housing insertable and removable through the open rear of the housing and having side members provided with upper and lower arms, rods connecting the arms of said side members, a shaft extending between and rotatably carried by said side members, a drum upon said shaft, a pole engaging line wound upon said drum and extended through the opening in the bottom of the housing, and a coiled spring having one end connected with the shaft and its other end with one of said rods, unwinding of the line from the drum serving to wind the spring about the shaft and place the spring under tension.

2. The structure of claim 1 having the housing provided with flanges at its open rear end and the arms of the rear side member of the frame extending in overlapping relation to the flanges, the flanges and extended arms being provided with openings for receiving fasteners securing the housing about the frame and holding the frame and housing in engagement with a window-frame.

3. A curtain pole support comprising a housing open at its rear, flanges extending from the open rear side of the housing, a frame in the housing removable bodily through the open rear of the housing, said housing having side members, one of said side members extending in overlapping relation to the flanges and provided with openings registering with openings in the flanges whereby fasteners may be passed through the openings to secure the housing about the frame and secure the frame and housing upon a window frame, a line carrier rotatably mounted in said frame, a pole engaging line wound upon said carrier, and means for rewinding the line upon the carrier and yieldably resisting unwinding.

4. A curtain pole support comprising a housing open at its rear, a frame in said

housing insertable and removable bodily through the open rear of the housing, a carrier rotatably mounted in said frame, a pole engaging element wound upon said carrier and extending through an opening in said housing, means for yieldably resisting rotation of the carrier in one direction, and common means for removably holding the housing about the frame and removably securing the frame and housing in place upon a window frame.

In testimony whereof I have hereunto set my hand.

JOSEPH F. FREDAK.