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Z. E. RUSSELL

CURTAIN GUIDE AND SUPPORT

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Fig. 1

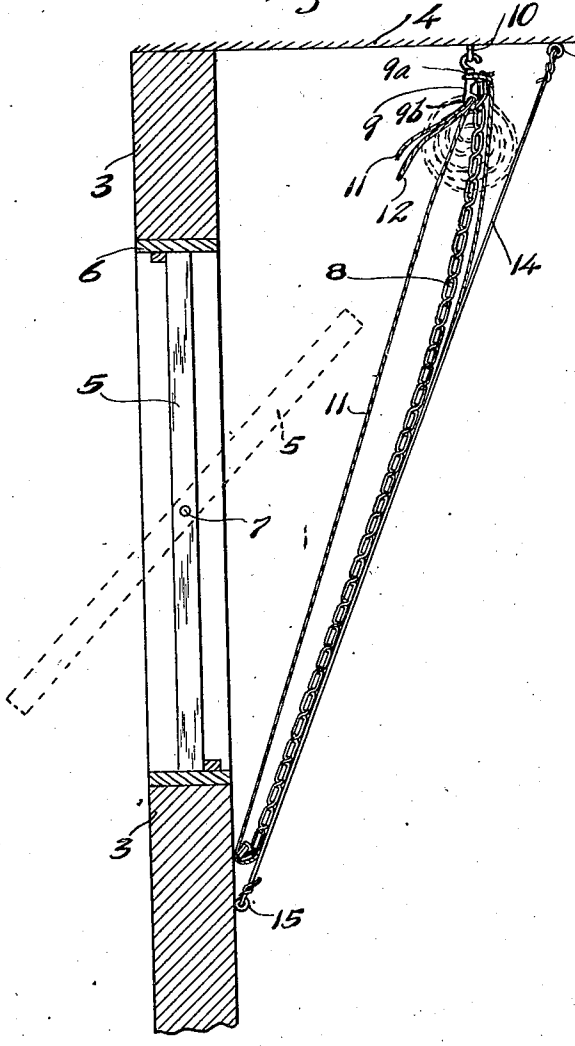
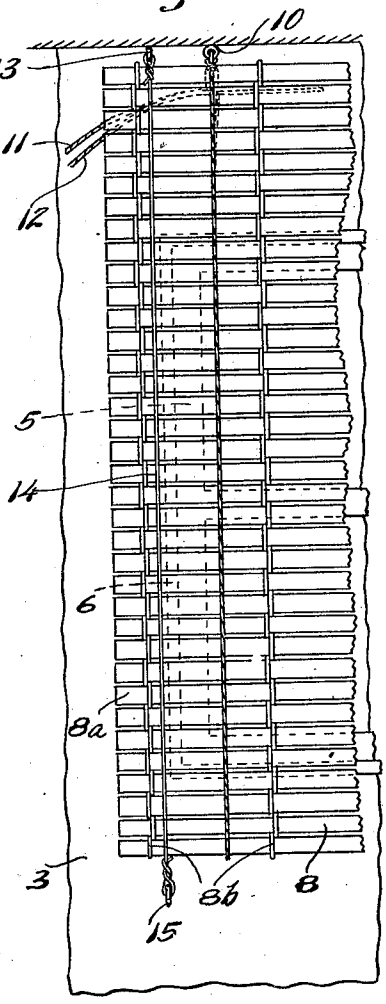


Fig. 2



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CURTAIN GUIDE AND SUPPORT.

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This invention relates to a mounting or structure for a flexible curtain and while the structure may be applicable to various locations it particularly is designed for use adjacent a swinging window. It is common for factories and other buildings to have swinging windows usually pivoted on a horizontal axis so that one end of the window swings into the building. It is necessary to have the curtain used to shade the window located at some distance therefrom so that it will not be struck by the portion of the window which swings inwardly. It is also desirable to have a backing or auxiliary support for the curtain both to keep the same from flapping in the wind and to hold the lower end of the curtain adjacent the window or wall so that it will be out of the way of people passing the window or passing under the window.

It is an object of this invention, therefore, to provide a very simple and efficient mounting for the curtain which is disposed adjacent the swinging window.

It is a further object of the invention to provide such a mounting for a curtain disposed adjacent the swinging window which requires no change in the window frame and no members secured thereto but which is easily and conveniently supported from the ceiling and wall.

It is more specifically an object of the invention to provide a mounting for a curtain disposed adjacent the swinging window comprising two wires or rods which extend substantially in straight lines from points spaced from and above the window and points below the window.

These and other objects and advantages of the invention will be fully set forth in the following description made in connection with the accompanying drawings in which like reference characters refer to the same parts throughout the different views, and in which,

Fig. 1 is a view in side elevation of the device showing the wall and ceiling of the building in section and indicating different positions of the window and curtain in dotted lines; and

Fig. 2 is a view in front elevation of one end of the curtain mounting.

Referring to the drawings, the wall of a building is shown as 3 and the ceiling thereof as 4. A swinging window 5 is mounted in the usual window casing 6 and said window is mounted for swinging movement about a horizontal pivot 7, the window being arranged to swing inwardly at its upper end. A flexible curtain 8 is shown as supported adjacent the window and while this curtain may be made of different materials, in the embodiment of the invention illustrated, the same is shown as made of slats 8^a connected by cords 8^b woven therebetween. The curtain 8 has a hook-shaped member 9 secured to a strip connected to its top slat 8^a and its hook member engages through a depending eyelet 10 secured in ceiling 4. There will be one of the hooks 9 and eyelets 10 at each side of the curtain, one only of these being shown in Fig. 2. The member 9 immediately below the upper hook portion is formed with a groove 9^a in which is disposed one end portion of a rope 11, which end passes over the top of curtain 8 and is tied around member 9 in said groove 9^a. The rope 11 passes downwardly at the side of the curtain 8 remote from the window 5, then passes around the lower end of the curtain and upwardly on the side adjacent the window 5. The lower portion of the member 9 is formed as an eyelet 9^b and rope 11 extends through this eyelet and will then extend down into convenient position, at the side of window 5, for manipulation by the operator. Another rope 12 is connected in a similar manner to the member 9 at the other side of the curtain and its rope extends from its member 9 across the top of curtain and also passes through the eyelet 9^b from whence it is also carried down to the side of the window into convenient position for manipulation by the operator. An eyelet 13 is secured to the ceiling 4 spaced from eyelet 10 at the side thereof remote from the window, said eyelet preferably being adjacent the side of curtain 8 somewhat outward of the eyelet 10, as shown in Fig. 2. A wire or rod 14 is secured at its upper end in the eyelet 13 and extends downwardly in an inclined direction toward wall 3 and is secured at its lower end to an eyelet 15 disposed in said wall at the side of window 5 and below said window and its casing, as clearly shown in the drawings. The member 14 preferably is in taut condition so that it extends in a straight line. It will be understood of course that there is one of the members 14 adjacent each side of curtain 8.

In operation, when the curtain is in de-

pending position it will be disposed as shown in Figs. 1 and 2. The curtain will rest at its lower portion against the members 14 and will be supported thereby against outward swinging movement. The supports will prevent excessive flapping of the curtain in the wind or draft which might be caused by the open window. The curtain will also be disposed a sufficient distance from the upper end of window 5 so as not to interfere with the opening of the window. The curtain is rolled up in the usual manner by pulling upon the cords 11 and 12 and will roll into the position shown in the dotted lines in Fig. 1. The members 14 will form a support for the curtain as it rolls up. The members 14 also hold the lower end of the curtain in position closely adjacent the wall 3 where it may be wedged between wires 14 and wall 3 so that any person passing by or beneath the window will not be apt to strike the curtain. The windows are often placed at some distance from the floor so that the windows are adjacent or above the heads of persons standing on the floor.

From the above description it is seen that applicant has provided an extremely simple and efficient mounting for a curtain especially adapted for use adjacent the swinging window. The wires or rods 14 can be easily and quickly installed and at very small expense. The same form a very simple and efficient support for the curtain and presents a neat appearance. The device has been amply demonstrated in actual practice and found to be very successful and efficient.

It will, of course, be understood, that various changes may be made in the form, details, arrangement and proportions of the parts without departing from the scope of applicant's invention, which, generally stated, consists in a device capable of carrying out the objects above set forth, in the novel parts and combinations of parts disclosed and defined in the appended claims.

What is claimed is:

1. A structure for a flexible curtain disposed adjacent a swinging window, comprising a pair of upper supports for the top of the curtain disposed inwardly from and above said window, a curtain adapted to be rolled up carried by said supports, and curtain guiding and supporting members comprising a single pair of wires disposed respectively adjacent each side of the curtain and secured at their upper ends to points spaced inwardly from said upper supports, said wires being taut and extending downward rectilinearly towards said window in an inclined direction and secured at their lower ends below said window to form a comparatively sharp angle with the wall containing said window whereby said curtain may wedge in said angle.

2. A mounting for a curtain disposed adjacent a swinging window located near the ceiling comprising spaced supports secured to the ceiling, a flexible curtain suspended from said supports, a pair of wires disposed adjacent the sides of the curtain secured at their upper ends to the ceiling at points spaced from said supports and at the side thereof remote from said window, said wires being taut and extending downwardly in an inclined direction in substantially straight lines and secured to the wall below said window, the wires forming a support upon which the curtain rests by gravity.

In testimony whereof I affix my signature.

ZACHARY E. RUSSELL.