Aug. 3, 1943. G. W. STELTNER 2,325,923

BLACKOUT EQUIPMENT FOR WINDOWS

Filed Dec. 5, 1942 2 Sheets-Sheet 1

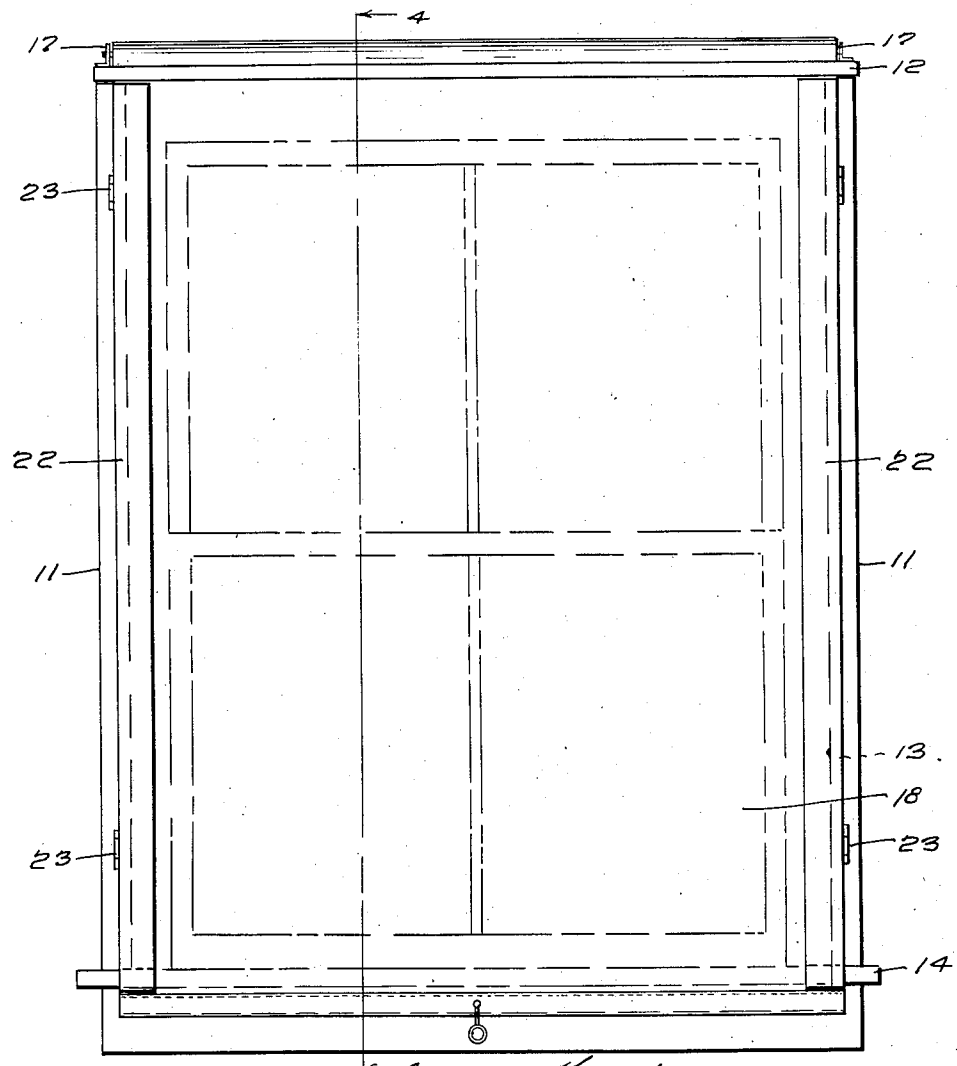


Fig. 1.

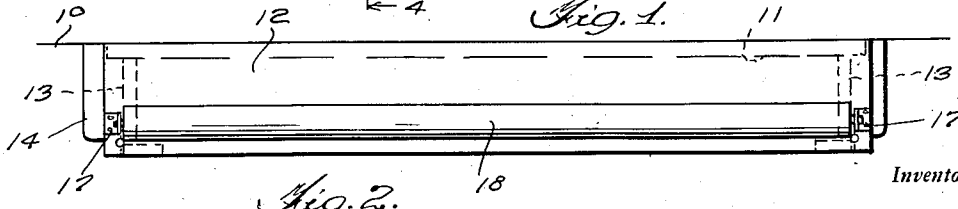


Fig. 2.

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BLACKOUT EQUIPMENT FOR WINDOWS

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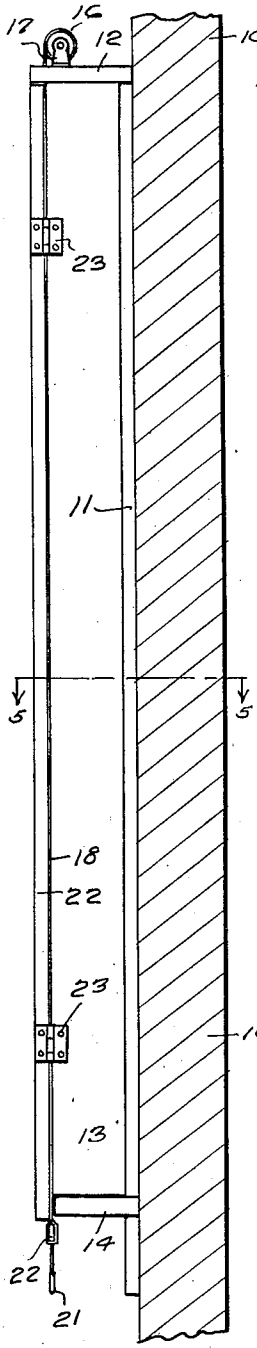


Fig. 3.

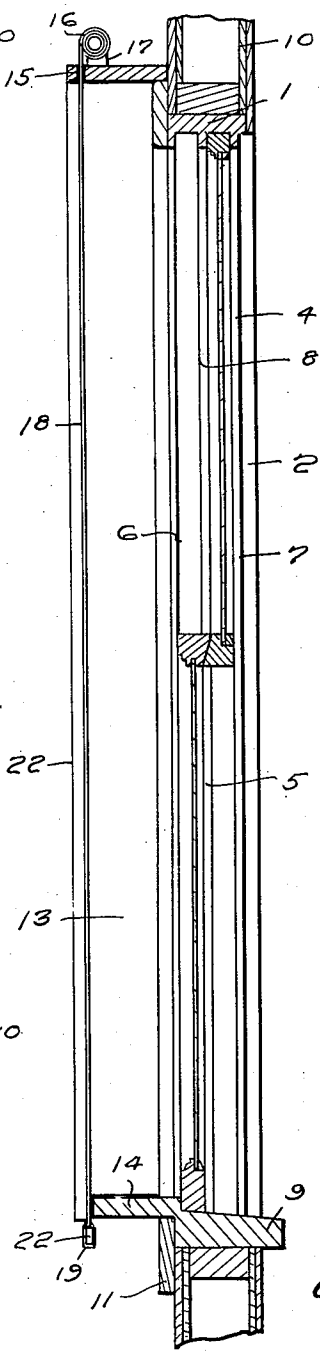


Fig. 4.

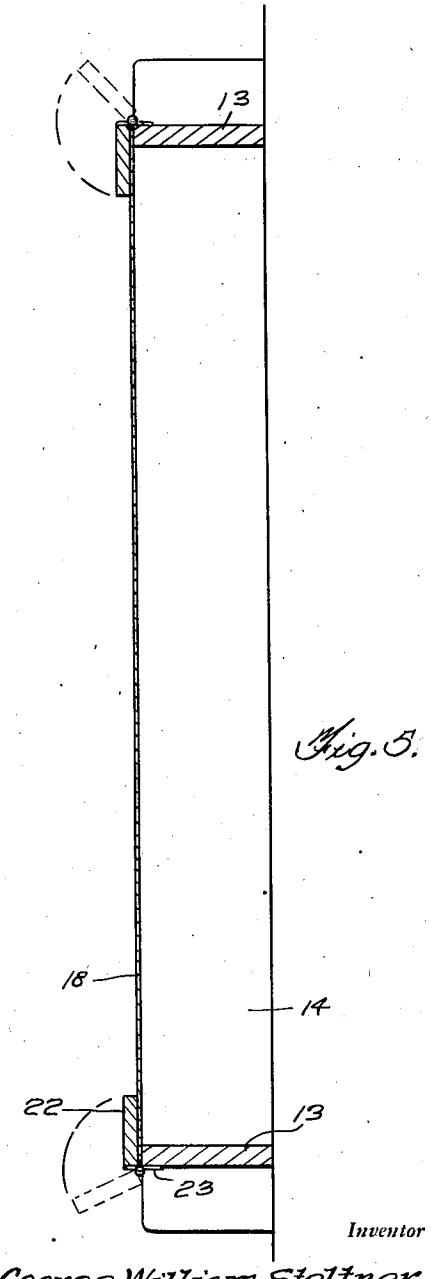


Fig. 5.

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UNITED STATES PATENT OFFICE

2,325,923

BLACK-OUT EQUIPMENT FOR WINDOWS

George William Steltner, Los Angeles, Calif.

Application December 5, 1942, Serial No. 467,979

1 Claim. (Cl. 160—239)

My invention relates to improvements in blackout equipment for windows, the principal object in view being to provide an interior closure for the windows of dwellings, and the like, which is simple in construction, easy and inexpensive to install, and which utilizes the usual window shade in a manner such that the latter may be used in substantially the ordinary manner.

Other and subordinate objects are also comprehended by my invention, all of which, together with the precise nature of my improvements, will be readily understood when the succeeding description and claim are read with reference to the drawings accompanying and forming part of this specification.

In said drawings:

Figure 1 is a view in front elevation illustrating my improved blackout equipment in its preferred embodiment,

Figure 2 is a view in top plan,

Figure 3 is a view in side elevation, with parts shown in section,

Figure 4 is a view in vertical longitudinal section, taken on the line 4—4 of Figure 1, and

Figure 5 is a view in transverse section taken on the line 5—5 of Figure 3.

Referring to the drawings by numerals, my improved blackout equipment has been shown therein as embodied in a window structure of the usual type, with exceptions presently noted, and including a window frame header 1, side stiles, as at 2, upper and lower sashes 4, 5, front and rear sash stops 6, 7, a parting strip 8, and a sill 9. The numeral 10 designates the wall structure, and 11 the interior trim of the window frame.

According to my invention, a shallow, rectangular closure frame is provided on the inside of the window comprising a top panel 12 secured, in any suitable manner, on top of the trim 11 to extend along the same to the side edges of the trim and horizontally from said trim, upright side panels 13 extending edgewise outwardly from the faces of the sides of the trim 11 and offset outwardly from the inner edges of said sides, and a bottom panel 14 forming a widened stool cap section and which may be constructed as a part of the sill 9 and has its front edge flush with the front edges of the side panels 13. The top panel 12 overlies the front edges of the side panels 13, as best shown in Figure 3. The side panels 13 may be attached to the trim 11, and the panels 12, 14 in any desired manner, as by screws or nails (not shown). The closure frame described is preferably formed of wood. A longitudinal slot 15 is provided in the top panel 12 and which extends substantially to the outer sides of the side panels 13 flush with the front edges of said side panels.

A shade roller 16 of the usual type is provided on top of the top panel 12 with its ends mounted in the usual shade roller brackets 17 upstanding from the opposite ends of the top panel 12, said roller extending parallel with and closely adjacent to the slot 15. The roller 16 is adapted to support the usual type of window shade 18 which, however, is opaque and extends downwardly from the roller 16 through the slot 15 and is of a width to overlap, at its side edges, the front edges of the side panels 13. Preferably the shade 18 is of the same width as the outside width of the described closure frame. The usual hem 19 is provided in the lower end of the shade 18 for receiving the usual rectangular stick 20 and from which the usual pull cord 21 depends.

A pair of shutter forming panels 22 are hinged, as at 23, to the outer sides of the side panels 13 to fold inwardly over the front edges of said panels 13 and over the side edges of the shade 18. The shutter forming panels 22 fit at upper ends thereof under the overhang of the top panel 12 and depend at lower ends thereof below the front edge of the bottom panel 14.

By pulling the shade 18 down below the bottom panel 14 and closing the shutter forming panels 22 over the side edges of the shade and over the front edges of the side panels 13, the window may be completely blacked out and the shade 18 prevented from acidentally rolling up, the panels 22 and front edge of the bottom panel 14 blocking rise of the hem edge of said shade, as will be clear. By opening the shutter forming panels 22, the shade 18 may be raised in the usual manner to uncover the window as desired.

The foregoing will, it is believed, suffice to impart a clear understanding of my invention without further explanation.

Manifestly, the invention as described, is susceptible of modification without departing from the inventive concept, and right is herein reserved to such modifications as fall within the scope of the appended claim.

What I claim is:

For mounting on the inside trim frame of a window, a blackout closure for the window comprising a rectangular open front frame extending forwardly from said trim frame around the opening defined thereby and including top, side and bottom panels, respectively, the bottom panels forming a stool cap section for the window, and the top panel provided with a longi-

tudinal slot therein of a length equal at least to the distance between the outer sides of the side panels, and lying in a common plane with the front faces of said side panels, a shade roller mounted on top of said top panel to extend alongside said slot parallel therewith, an opaque shade of a width corresponding to the distance between the outer sides of said side panels attached to said roller and depending through said slot to hang when drawn flush against said front faces of said side panels, and means on said side panels for forming a light excluding seal between the side edges of said shade and said front faces of said side panels comprising a pair of shutter panels hinged to said side panels to fold over said side edges of the shade and clamp the latter against said front faces.

GEORGE W. STELTNER.