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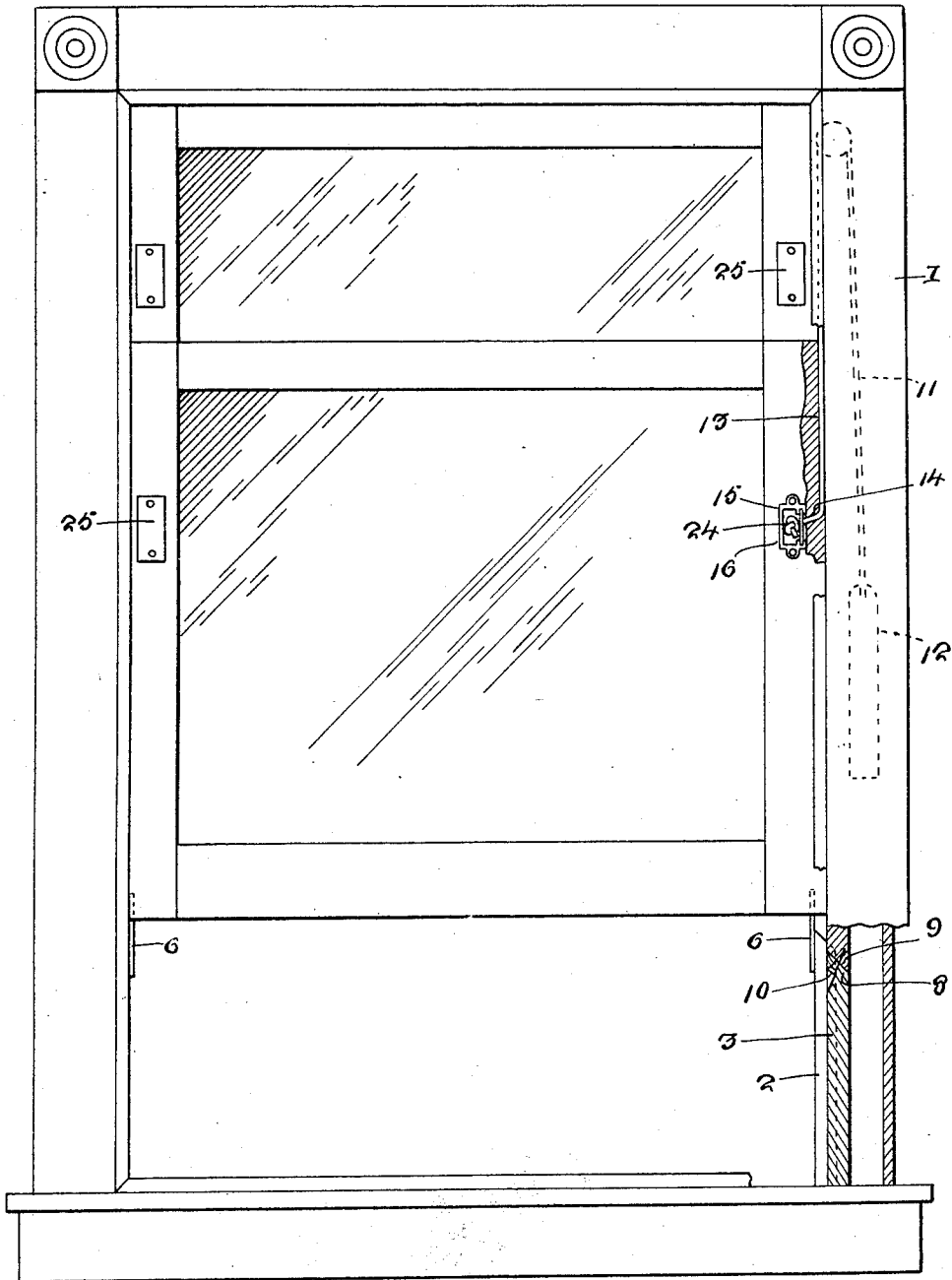
M. DEUTMAN

SASH CORD HOLDER AND CONNECTER

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2 Sheets-Sheet 1

Fig. 1.



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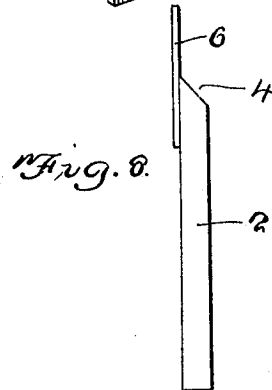
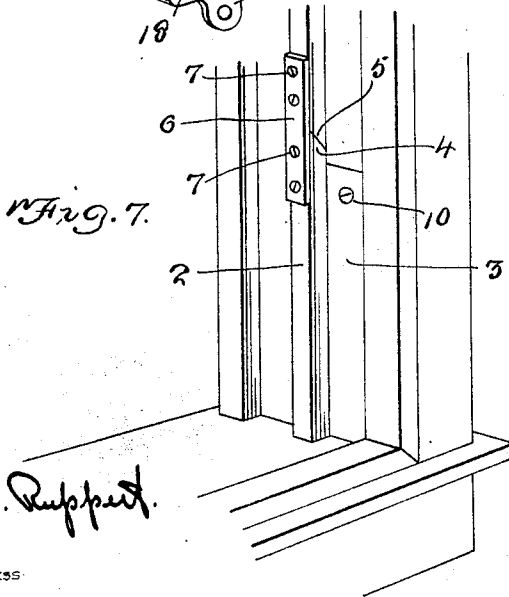
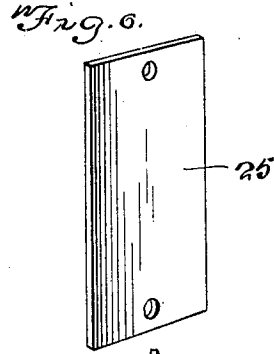
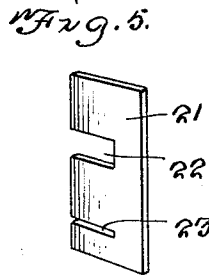
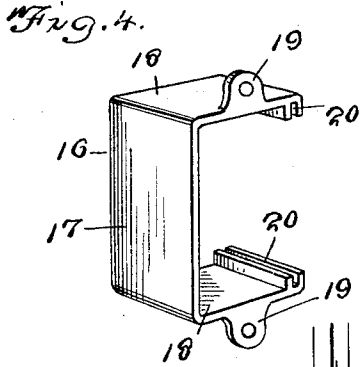
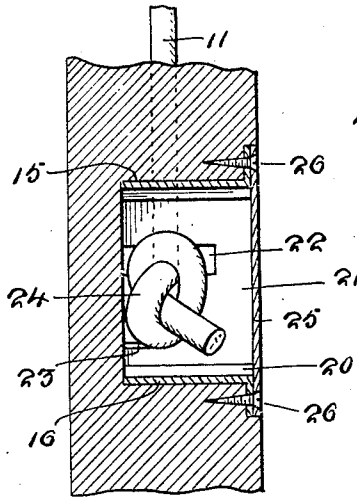
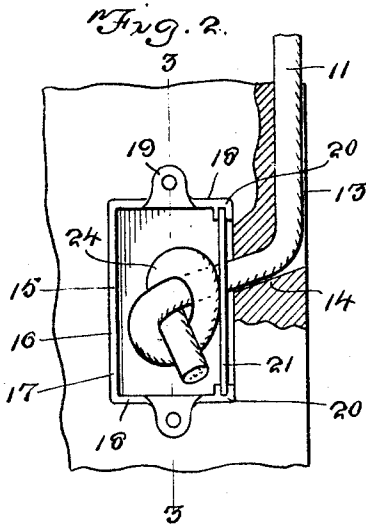
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M. DEUTMAN

SASH CORD HOLDER AND CONNECTER

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2 Sheets-Sheet 2



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WITNESS

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SASH-CORD HOLDER AND CONNECTER.

Application filed April 5, 1926. Serial No. 99,902.

To renew a sash cord in a window frame, it is necessary to remove the inside stop strip, the parting strip, and also the upper and lower sashes. In fact, the window construction is practically disassembled to gain access to the sash cord for the purpose of properly renewing the same. This task is not only tedious, but it consumes substantial time and labor, not only in disassembling the parts, but replacing them.

With the above in view it is the purpose of the present invention to avoid these difficulties, and in accomplishing such a result it is the aim to provide an improved holder and connecter for one end of the sash cord to the sash, there being no necessity whatever for removing the stop and parting strips or the sashes.

Another purpose is to provide a removable strip at the lower end of each side rail of the window frame proper, to gain access to the weights, whereby the end of a sash cord may be connected or disconnected to and from the weight.

Still another purpose is to provide a connecter and holder mounted upon the face of one of the side rails of the sash, the removal of a cover plate permitting access to a slide and the knotted end of the sash cord, so that the sash cord may be disconnected or connected, as is shown in the drawings.

It is to be understood that the particulars herein given are in no way limitive and that while still keeping within the scope of the invention, any desired modifications of detail and desired proportions may be made in the apparatus according to circumstances.

The invention comprises further features and the combination of parts as will be hereinafter set forth, shown in the drawings, and claimed.

In the drawings:—

Figure 1 is a view in elevation of a window showing two sashes, and illustrating the connecter or holder for the sash cord as applied in accordance with the invention, said view also disclosing the removable strip at the base of the side rail of the frame.

Figure 2 is an enlarged detail view in elevation of a portion of one of the sashes (which is partly in section) with the connecter or holder countersunk in the face of the sash.

Figure 3 is a sectional view on line 3—3 of Figure 2.

Figure 4 is a detail perspective view of the

boxing or holder to be countersunk in the face of the sash.

Figure 5 is a detail perspective view of the slide which retains the sash cord as connected to the holder.

Figure 6 is a detail perspective view of the cover for the holder.

Figure 7 is a perspective view of the lower right hand corner of a window frame, showing the removable strips which may be removed for permitting access to the sash weights.

Figure 8 is an edge view in elevation of one of the strips which is shown in Figure 7.

Referring to the drawings, 1 designates a window frame of conventional construction, and the lower inside wall of each side rail of the frame has two removable strips 2 and 3. The strip 2 has a beveled end 4 to engage with a bevel 5, there being a metal plate 6 for holding the strip 2 in position. The metal plate 6 is secured in place by screws 7.

The strip 3 has a beveled end 8, which engages a bevel 9, there being a screw 10 for holding the strip 3 in position. In fact, the screw 10 passes through the bevel faces and into the side rail of the frame. The removal of these strips 2 and 3 permits access to the interior of the side stile of the window frame, for the purpose of attaching the sash cord 11 to a sash weight 12. Obviously, the two strips 2 and 3 may be removed, the sash weight lifted through the opening from which the strips 2 and 3 are removed, and then the sash cord may be pulled sufficiently to attach the same to the weight in the usual manner. The weight is then restored to the interior of the stile, and the sash cord 11 is then conveyed upwardly over the usual pulleys at the top of the frame. The sash cord beyond the pulley is conveyed downwardly through the groove 13 in the side rail of the sash, and then through a lateral passage 14 in the rail.

Each rail of the sash upon its inner face has a depression 15, in which the metal holder or boxing 16 is countersunk. The main portion of the holder or boxing is U-shaped, as shown in Figure 4. In other words, the main body of the holder or connecter comprises one side wall 17 and two end walls 18, there being ears 19 integral with the end walls and countersunk in the face of the side rail of the sash for the reception of securing means to hold the boxing in the depression. The corresponding parallel end edges of the

end walls 18 of the main body of the boxing or holder have guide grooves 20, which receive a slide 21. This slide has two transverse slots 22 and 23. The former is of a size sufficient to receive the end portion of the sash cord after protruding through the passage 14. The extremity of the sash cord after engaging through the slot 22 is formed with a knot 24, thereby operatively anchoring the end of the cord to the sash. Obviously, the knot of the sash cord is at all times accessible, by removing a cover 25, which is secured in place by the same securing means 26, that secure the body of the boxing in the depression. For instance, after removing the cover by detaching the securing means 26, the slide may be removed, in which case the cord may be either attached or detached. If a cord is being renewed, then the cord is attached to the slide by making the knot. Previously to installing the new cord it is necessary to remove the old cord.

The transverse slot 23 performs a double-fold purpose of attaching a sash wire (not shown) to the sash, and has means to assist in removing the slide. In other words, if a wire is used in lieu of a rope, it being smaller in diameter, it may engage through the slot 23, in which case a knot is formed in the extremity of the wire (not shown) in the same manner as knotting the cord or rope. After removing the cover, the slide is easily removed, by inserting the sharp point of an instrument in the slot 23, enabling a pulling action to be imparted to the slide for the purpose of extricating it, especially should it bind in the grooves 20.

The invention having been set forth, what is claimed is:—

1. As an article of manufacture, a sash cord holder and connector, comprising a boxing adapted to be countersunk in the face of the side rail of a sash in close proximity to the sash cord edge of the sash, said boxing having opposite parallel guides, means to be anchored to the end of the sash cord and said means engaging said guides when moved into the boxing and to be held from movement when so arranged by the pull of

the sash cord thereon, and a cover for the boxing.

2. As an article of manufacture, a sash cord holder and connector comprising a boxing having an open face and adapted to be countersunk in the face of the side rail of a sash in a position in close proximity to the sash cord receiving edge of the sash, means removably slidable within the boxing and to which the sash cord may be connected for connecting the sash cord to the sash, said means comprising a slide with means serving as a tool engaged element for removing the slide and also serving as additional means for attaching a relatively smaller sash cord, flanged guides in the boxing in which the element is received, and a cover for the boxing.

3. As an article of manufacture, a sash cord holder or connector comprising a boxing adapted to be countersunk in the face of the side rail of a sash in close position to the sash cord or edge of the sash, said boxing having guides, a slide operable in the guides and provided with means whereby the sash cord may be connected to the slide, and means carried by the slide serving to assist in extricating the slide.

4. As an article of manufacture, a sash cord holder or connector comprising a substantially U-shaped member, designed to be let into a stile of a sash from the outer face thereof, said member having ears which are also let in the sash and having its open end arranged in close proximity to the outer edge of the stile, and the flanges provided by its said open end formed with depending flanges establishing a groove therebetween, a plate notched for the reception of a sash cord and said cord designed to be knotted against the plate, said plate being slidable into the grooves and a closure plate also let in the stile of a sash and contacting with the outer edge of the U-shaped member and having securing elements passing therethrough and through the ears of the U-shaped member.

In testimony whereof I affix my signature.

MAX DEUTMAN.