

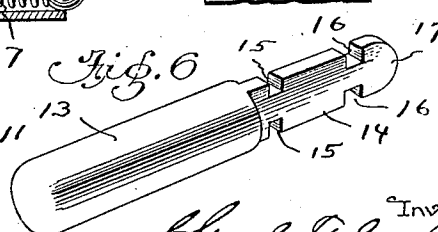
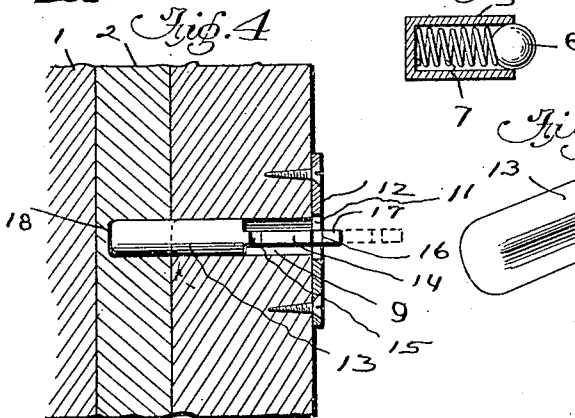
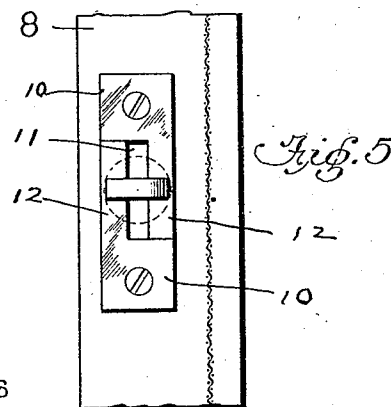
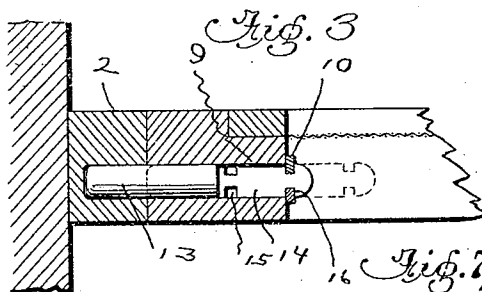
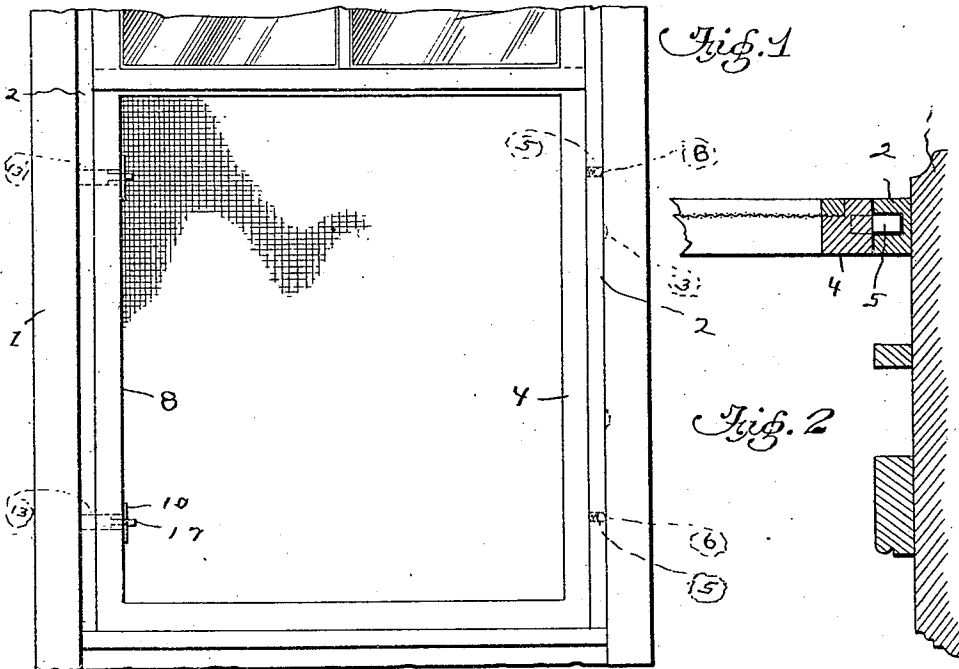
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WINDOW SCREEN LATCH

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UNITED STATES PATENT OFFICE.

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WINDOW-SCREEN LATCH.

Application filed April 3, 1924. Serial No. 704,050.

One of the objects of my invention is to provide a sliding screen which may be removed from its slideways with the screen in any position in its slideways.

5 A further object of my invention is to provide a cheap, simple, but effective slide for a screen which can be readily attached to the screen without skilled labor; with these and other objects in view, my invention consists of the parts and combination of parts as will be hereinafter more fully set forth.

In the drawings:

15 Figure 1 is a front elevation of a portion of a window with my improved screen in position.

Figure 2 is an enlarged detail sectional view through a portion of the screen and one side of the window frame.

20 Figure 3 is a view similar to Figure 2 through the opposite side of the screen and window frame.

Figure 4 is an enlarged detail sectional view at right angle to Figure 3.

25 Figure 5 is an enlarged detail elevation of the inner side face of one of the side stiles of the window screen.

Figure 6 is an enlarged detail perspective view of my improved slide.

30 Figure 7 is an enlarged detail sectional view through another of my improved slides.

The reference numeral 1 designates a window frame of any suitable construction to which the slideways 2 are secured, which slideways may be made of any suitable construction and material. One of these slideways has depressions 3 in its bottom which will be hereinafter referred to.

40 The side stile 4 of the screen has set into it in suitable recesses a cup 5 in which is mounted a ball 6, said ball being projected a predetermined distance beyond the open end of said cup by means of the spring 7. The open end of the cup, as will be seen, is more or less contracted to prevent the ball 6 from being entirely projected from the cup. These balls project into the slideway 2 and constitute the slide, and they are also adapted to, when desired, be seated in the depressions 3 in the bottom of the slideway

to hold the screen in any desired elevated or open position.

The side stile 8 of the screen is provided with openings, or ports, 9 which extend from side face to side face of the stile, which openings are provided with a face plate 10 having an elongated slot 11. This face plate 10 is composed of two identical members each having a wide end body from which projects a leg 12 so that when the members of the plate are placed in position they constitute a face plate such as is more clearly shown in Figure 5.

The slides for the stile 8 of the screen consists of a pin or bolt having a cylindrical body portion 13 and a flat body portion 14. The opposite edges of the flat body portion 14 are provided with notches 15 and 16, the flat body portion terminating in a hand hold 17 by which the slide is manipulated. As shown in Figure 3, in dotted lines, when the slide is moved in the port 9 to its nonfunctioning position the outer end of the cylindrical body portion 13 is in line with the outer side face of the stile 8 and held in that position by the notches 15 engaging the side walls of the elongated slot 11 of the face plate 10. When it is desired to project the cylindrical body portion 13 into the slideway 2 of the slide 2, the slide is revolved 45° from the position shown in dotted lines in Figure 3, and then pushed inwardly to the position shown in Figure 4, and then turned 45° so that the notches 16 may engage the side walls of the elongated slot 11 of the face plate 10 thereby holding the slide from outward movement relative to the slideway 18.

When it is desired to remove the screen from the window all that is necessary to be done is to revolve the slide pin 13 45°, pull it outward, as shown in dotted lines, 45°, as shown in Figure 3, whereupon the screen frame may be moved outward slightly at this side and then the slides 6 pulled out of their slideway whereupon the screen is free to be removed.

What I claim is:

A sliding and rotating latch mounted in the side stile of a window screen and mov-

able transversely of the screen and adapted to be projected into a groove in a window frame to function as a slide; said latch comprising a pin having a flattened portion and a cylindrical portion, notches in the edges of the flattened portion, a plate secured to said stile and having an elongated slot, through which the flattened portion of the

pin is adapted to slide, when it is in alignment with the slot, the walls of said notches being adapted to engage said plate when the latch is rotated, the cylindrical portion preventing the complete withdrawal of the pin through the plate.

In testimony whereof I affix my signature.
CHARLES F. GESCHICKTER.