Feb. 14, 1950 A. N. SMALLEY 2,497,803

REMOVABLE SLAT FOR VENETIAN BLINDS

Filed March 20, 1946

FIGURE 1.

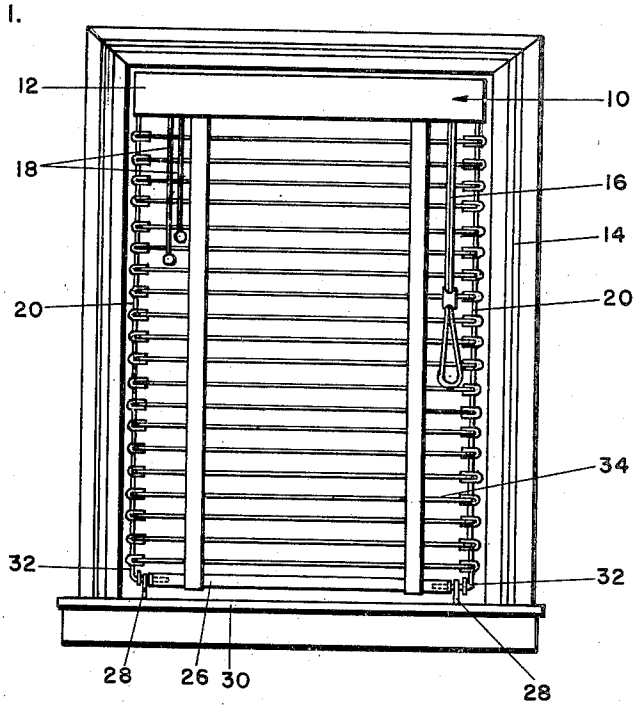


FIGURE 2.

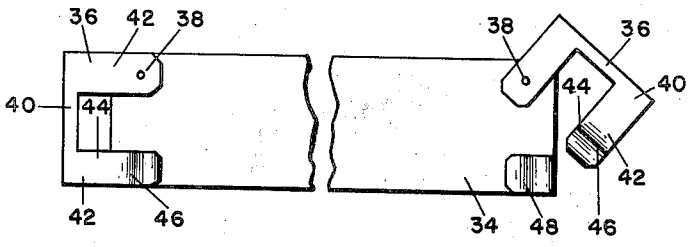


FIGURE 3

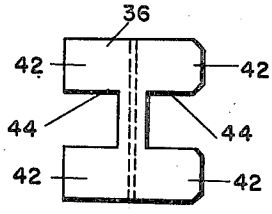


FIGURE 4

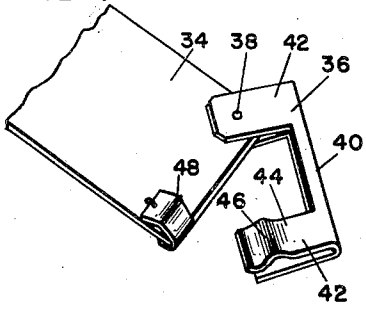
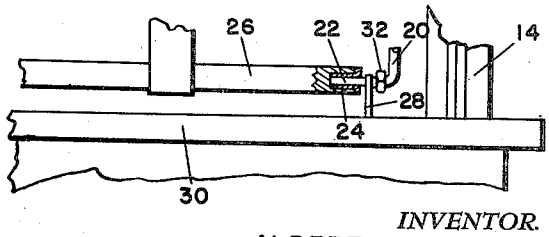


FIGURE 5



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REMOVABLE SLAT FOR VENETIAN BLINDS

Albert N. Smalley, Corning, Ark.

Application March 20, 1946, Serial No. 655,720

1 Claim. (Cl. 160—173)

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This invention relates to a removable slat for Venetian blinds and the primary object of the invention is to provide a blind whereby the slats may be removed without dismounting the blind.

Cord holes are not necessary in the slats since the means for permitting the removal of the slats is provided on the ends of the slats and said means also provide lift cord guides.

Another object of the invention is to provide a slat that is simple in construction, easily installed and inexpensive to manufacture.

With the above and other objects in view the invention consists of the novel details of construction, arrangement and combination of parts more fully hereinafter described, claimed and illustrated in the accompanying drawing in which:

Figure 1 is an elevational view of a completely assembled Venetian blind, embodying the invention installed in a window.

Figure 2 is an elevational view of one of the slats.

Figure 3 is a view of the blank from which the latch is made.

Figure 4 is a perspective view of the latch and keeper.

Figure 5 is a detailed view of the guide rope as attached to the bottom rail of the blind.

Referring more in detail to the drawing the numeral 10 designates the Venetian blind showing the operating mechanism 12 thereof mounted in the window frame 14. The mechanism 12 is provided with the control cords 16 and the cords 18 which are of any conventional design and construction.

In this instance the lift cords 20 depend from the outer ends of the mechanism 12 and the ends of the cords 20 are provided with metal sleeves 22 which are adapted to be inserted in seats 24 formed in the outer ends of the bottom slat 26. The sleeves 22 pass through the hold down brackets 28 secured to the sill 30 of the frame 14 and a nut keeper 32 on the sleeve 22 prevents slippage of the cord 20 in the keeper 32.

The slats 34 embodying the invention are provided on the ends with pivoted latches 36 which are pivoted to the slats 34 at 38. The blank shown in Figure 3 is H shaped in cross-section and is bent along the medial line 40 to form clamping

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ears 42 which are in parallel relation to each other and spaced from each other by the cut out 44 which is adapted to receive the lift cords 20.

It will be seen that one set of ears of the latch 36 are pivoted at 38 and one of the opposite set of ears is provided with a groove 46 to engage the ribbed keeper 48 secured to the end of the slat 34 opposite the pivot 38.

It will be seen that by moving the latch outwardly on the pivot the slats may be removed for cleaning or repair or replacement thereof and the lift cords may be removed from the bottom rail for easy insertion of the lift cords 20 in the cutouts 44.

Thus there has been provided a Venetian blind that may be easily dismantled and it is believed that the operation and construction thereof will be apparent to those skilled in the art.

It is also to be understood that changes in the details of construction, arrangement and combination of parts may be resorted to provided they fall within the spirit of the invention and the scope of the appended claim.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

A removable Venetian blind slat, a latch on the end of said slat being bent along its transverse central line to provide two parallel spaced U-shaped portions forming parallel opposed clamping ears, a lift cord adapted to be received intermediate of said ears, said latch being pivoted to said slat by one set of said clamping ears, one of the other of said clamping ears being grooved to engage a ribbed keeper secured to said slat opposite said pivot for said latch.

ALBERT N. SMALLEY.

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