(No Model.)

# M. F. WOOLFENDEN.

## WINDOW BEAD FASTENER.

No. 494,726. Patented Apr. 4, 1893.

*Fig. 4,*

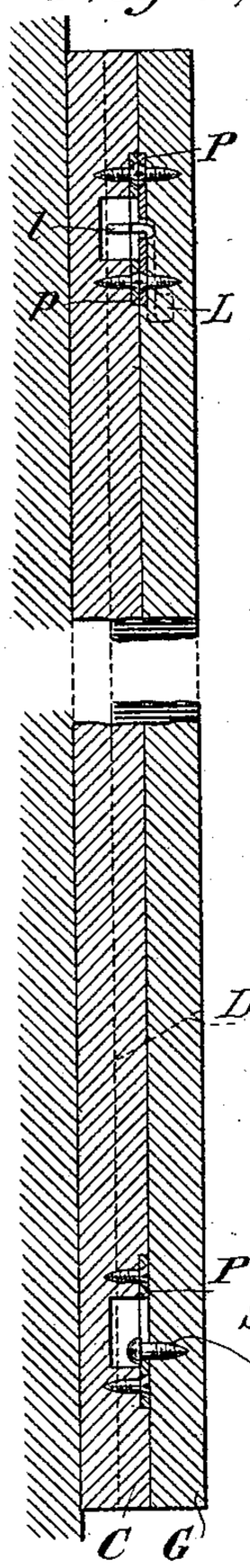


*Fig. 3,*

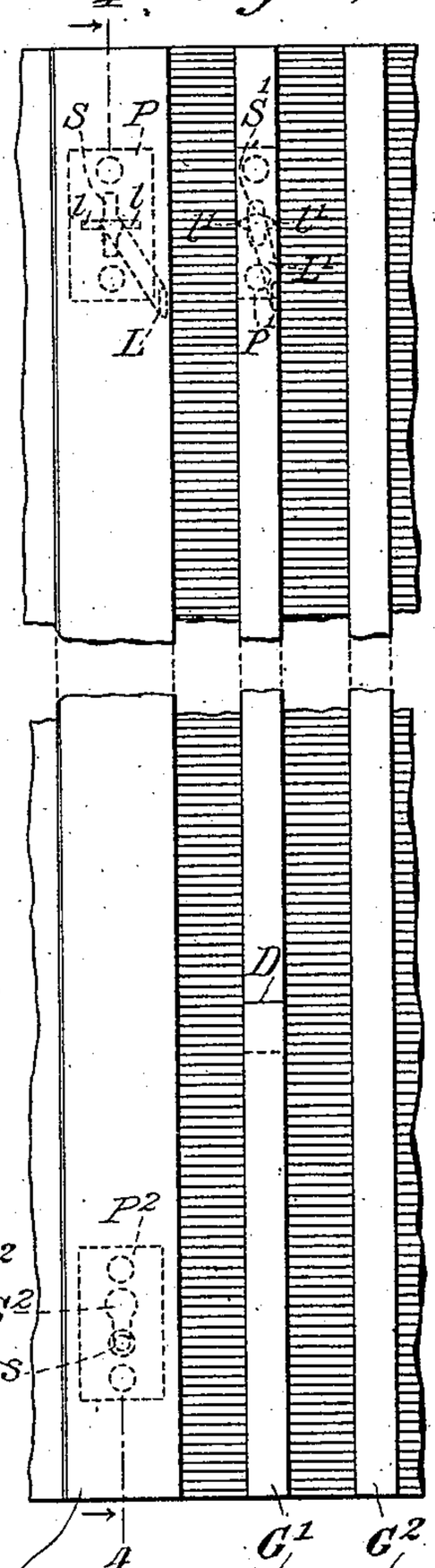


*Fig. 1,*

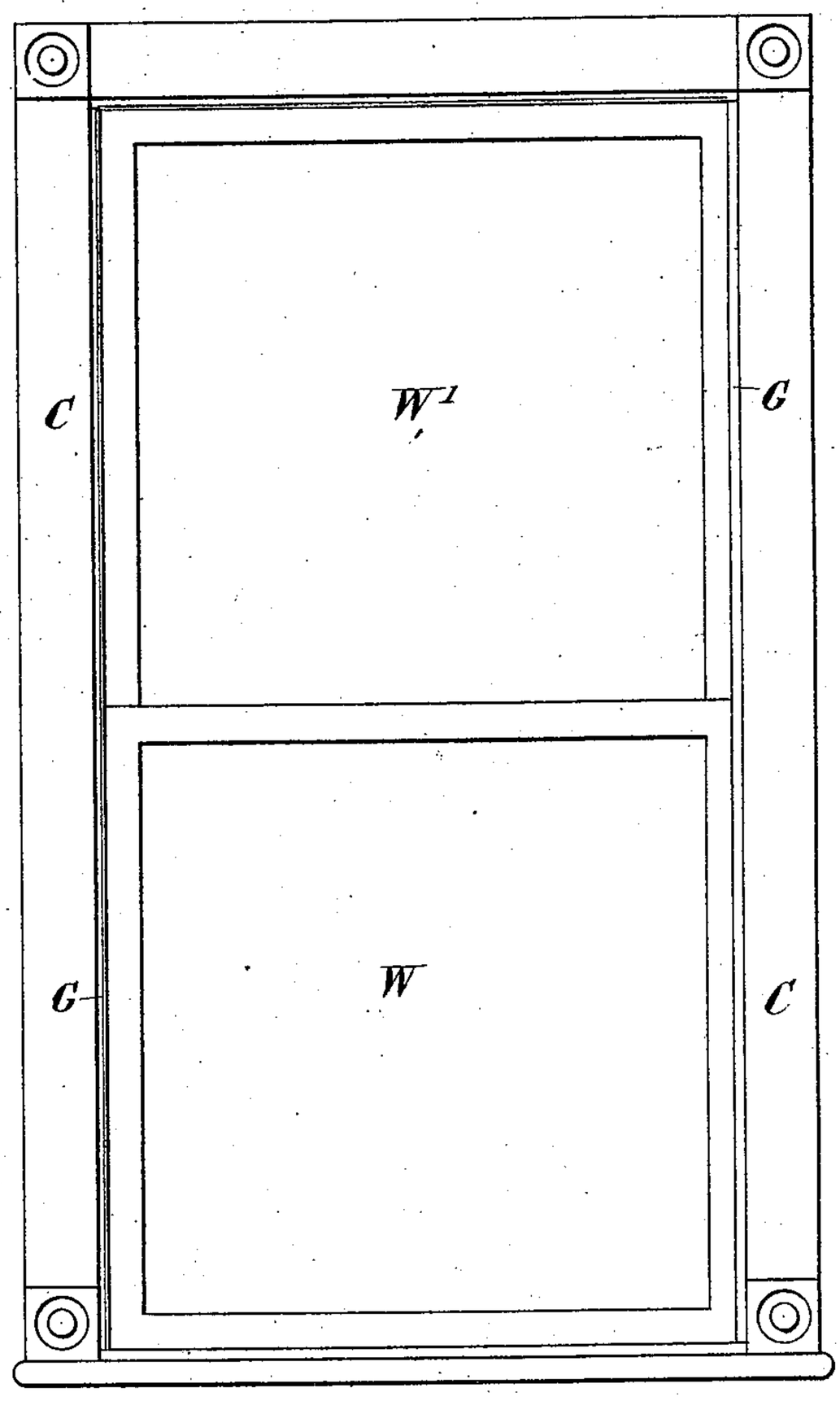


*Fig. 5,*




*Fig. 6,*

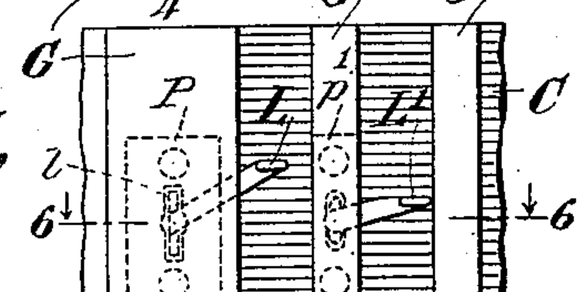


*Fig. 2,*




Witnesses

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# UNITED STATES PATENT OFFICE.

MARY F. WOOLFENDEN, OF HIGHLANDS, COLORADO.

## WINDOW-BEAD FASTENER.

SPECIFICATION forming part of Letters Patent No. 494,726, dated April 4, 1893.

Application filed June 6, 1892. Serial No. 435,721. (No model.)

*To all whom it may concern:*

Be it known that I, MARY F. WOOLFENDEN, a citizen of the United States, residing at Highlands, in the county of Arapahoe and State of Colorado, have made a new and useful Improvement in Window-Strips, of which the following is a specification.

My invention is directed particularly to improvements in window strips which are detachable from the window facings so as to enable one to remove the windows expeditiously and with as little inconvenience as possible.

To this end it consists in the novel arrangement of parts hereinafter described, but particularly pointed out in the claims at the end of this specification.

For a full, clear and exact understanding of my invention, reference is had to the accompanying drawings, and to the following description in connection therewith.

In all of the drawings like letters of reference represent like parts wherever used.

Figure 1 is a side elevational view of two windows in position. Fig. 2 is a cross sectional view of the same. Fig. 3 is a side elevational view of a window facing illustrating also my improved detachable window strips. Fig. 4 is a vertical sectional view taken through Fig. 3 on line 4—4 and as seen looking in the direction of the arrows from left to right. Fig. 5 is a partial side elevational view similar to Fig. 3 with the exception that the locking attachments are shown in their outward position in full lines in readiness to remove the strips, the same attachments being shown in dotted lines in their locked position in the lower portion of Fig. 3. Fig. 6 is a cross sectional view taken through Fig. 5 on line 6—6 and as seen looking in the direction of the arrows from the top toward the bottom of the drawings.

W and W′ are the windows; C the window facings; G, G′ and $G^2$ the strips for securing the windows in position. The outer strips $G^2$ $G^2$ are permanently secured in position in the facings of the windows in the usual or well known manner by nails, screws or otherwise, as are also the lower half portions of the central strips G′ G′. The upper half portions of the strips G′ G′ are fitted in grooves in the facings as shown, and their lower ends are beveled to fit beneath the corresponding beveled ends of the fixed lower halves when slid into position in the grooves as shown in dotted lines in Fig. 3.

L′ is a locking lever secured in the upper end of the strip G′ and having an angular pivotal bearing carrying a locking lug *l′* of oblong shape adapted to pass through a corresponding oblong hole in a metal locking socket P′ secured in the facing of the window as clearly shown in Fig. 6.

The entire inner strip G is removable from the facing of the window, it being held by a screw *s* on the inner face of its lower end and a plate $P^2$ provided with a slot having a hole S′ of sufficient diameter to admit of the passage of the screw head *s*, said plate being secured to the facing by screws as clearly shown in Fig. 4. The upper end of this strip is locked in position by a pivoted locking lever L, having a locking lug *l*, said lever and lug being the counterparts of the corresponding locking lever L′ and lug *l′* for the strip G′; P being a locking socket similar to the locking socket P′.

When it is desired to remove the windows W W′, my improved window strips are manipulated as follows. The windows are first placed in such position that the locking levers L and L′ may be manipulated, they being located in their inner positions in recesses in the inner lateral faces of the strips G and G′, and the lugs *l l′* being in the position shown in Fig. 3 in dotted lines. At the same time the screw *s* at the bottom of the strip G is held securely in place by the slotted plate $P^2$ as clearly shown in Fig. 4. The locking lever L is therefore first tilted into the position shown in Fig. 5 so that the locking lug *l* will be in alignment with the oblong slot in the plate P secured to the window facing. The strip is then drawn outward at the top and simultaneously forced upward, when it will immediately become detached from the facing. The lower window W may therefore be tilted sidewise and removed; the window cords, when cords are used, being detached from the inner faces of the sash if desired, although not necessary. The window W being in its upper position, the locking lever L′ is tilted from the position shown in dotted lines in Fig. 3 to that shown in full lines in

Figs. 5 and 6, so that the long lug $l'$ is in alignment with the oblong slot in the plate P'. The strip G' is then drawn out of the groove in the facing and upward so that its beveled end passes from beneath the corresponding opposing beveled end of the lower end or fixed portion of the same strip. The window W' is then forced down about four inches tilted sidewise, as in the case of the window W.

The operation of restoring the windows is obvious, the window W' being first placed in position and lowered to about four inches after which the strip G' is locked in the position shown in Fig. 3. The window W is then slipped in place in its lower position and the strip G locked in the position shown in Figs. 3 and 4.

I do not limit myself to the specific means of attachment herein shown and described nor to the combination of the two types of detachable strips G G' and their specific locking devices as both of the removable strips may be like G' provided with beveled ends and held in place in a groove by a locking device, or both may be like the strip G with double locking devices.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A detachable window strip fitted in a groove and provided with a locking lever and lug on its inner face with a corresponding locking socket in the window facing at the bottom of the groove and means for holding the other end of the strip firmly in place, all of said locking means being wholly concealed from view when the window is in place, substantially as shown and described.

2. A removable window strip G' fitted in a groove in the window facing and provided on its inner face with a locking lever L' having an angular pivoted bearing provided with a locking lug $l'$ of oblong shape in combination with a locking socket P' secured in the facing of the window at the bottom of the groove and additional means at the other end of the strip for holding it in place, all of said locking and holding means being wholly concealed from view, substantially as shown and described.

MARY F. WOOLFENDEN.

Witnesses:
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