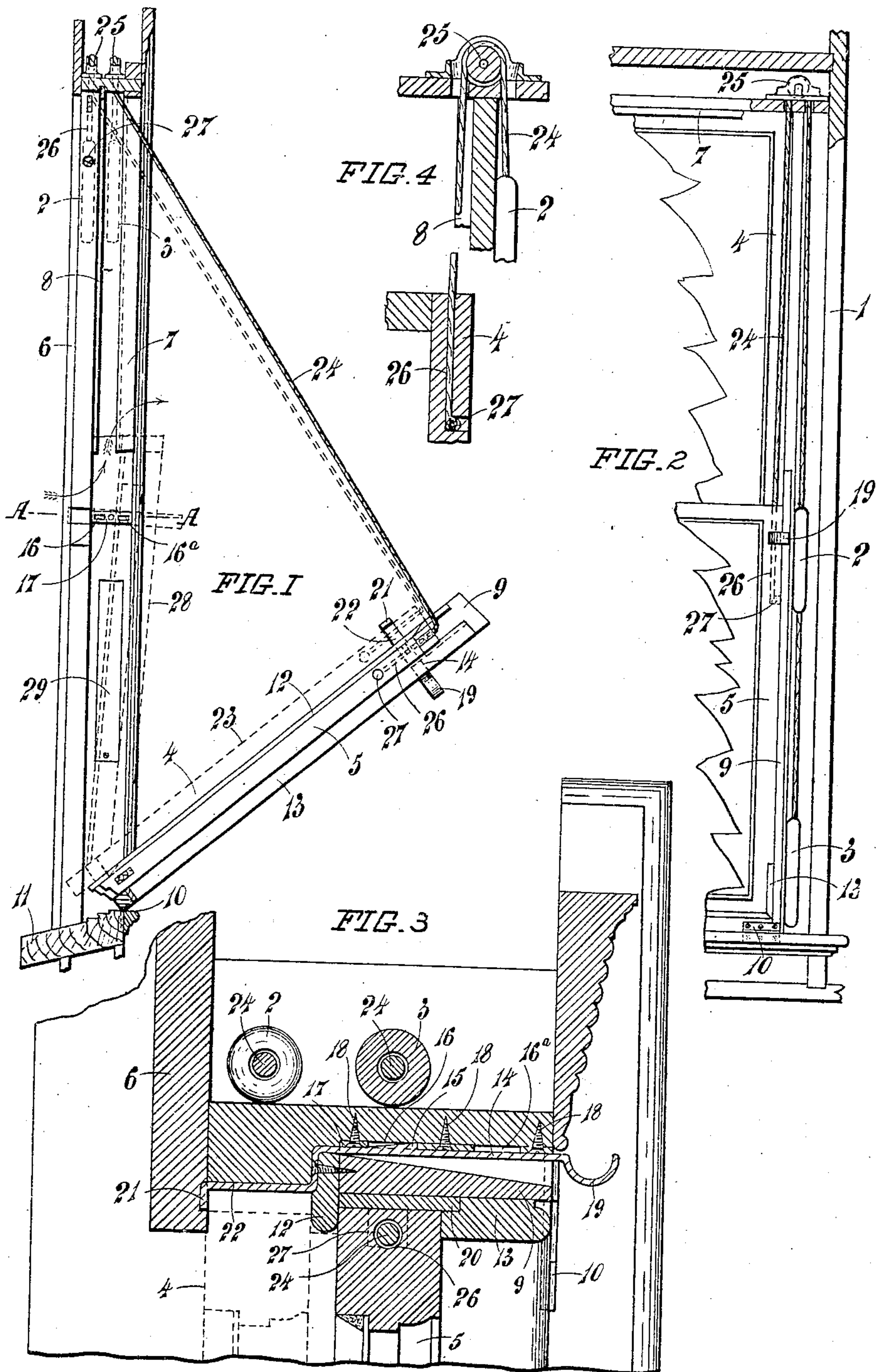


No. 865,341.

G. E. HUMPHRIES.  
WINDOW.

PATENTED SEPT. 3, 1907.

APPLICATION FILED DEC. 29, 1906.



*Witnesses:*

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# UNITED STATES PATENT OFFICE.

GEORGE EDWARD HUMPHRIES, OF WELLINGTON, NEW ZEALAND.

## WINDOW.

No. 865,341.

Specification of Letters Patent.

Patented Sept. 3, 1907.

Application filed December 29, 1906. Serial No. 350,061.

*To all whom it may concern:*

Be it known that I, GEORGE EDWARD HUMPHRIES, a subject of His Majesty the King of Great Britain and Ireland, residing at 61 Adelaide road, Wellington, in the Provincial District of Wellington, in the Colony of New Zealand, have invented certain new and useful Improvements in Windows, of which the following is a specification.

My invention relates to improvements in windows, and it consists in the constructions, combinations and arrangements herein described and claimed.

An object of my invention is to provide an improved construction, whereby the upper and lower sashes of a window can be readily swung inwardly without disconnecting the sash cords for rendering the exterior surfaces of said sashes accessible for convenient cleaning.

A further object of my invention is to provide a window, capable of adjustment for providing efficient ventilation, and producing an upward current of the entering air.

In the accompanying drawings, forming a part of this application and in which similar reference symbols indicate corresponding parts in the several views—  
Figure 1 is a sectional elevation, illustrating one embodiment of my invention, with the upper and lower window sashes swung into a room; Fig. 2 is a detail sectional elevation of the construction shown in Fig. 1; the window sashes being shown in their normal closed position in the window frame; Fig. 3 is a detail sectional view, on a larger scale, taken on the line A—A of Fig. 1; and Fig. 4 is a detail sectional view, illustrating a preferred method of attaching the sash cords.

Referring to the drawings, 1 indicates a window frame provided with the usual upper sash 4 and lower sash 5, having attached thereto the respective sash weights 2 and 3.

The upper portion of the window frame is provided with outer facings 6, parting strips 8 and inner strips 7, for receiving and guiding the upper and lower window sashes in their upper positions.

An adjustable frame 9 is shown hinged at 10 to the window sill 11, and provided with parting strips 12 and inner strips 13 adapted to constitute continuations of the similar elements on the window frame when said adjustable frame is swung into its normal closed position.

Suitable catches 14, carried by the adjustable frame 9, are provided with projections 15 adapted to engage a series of recesses 16 and 16<sup>a</sup> in stop plates 17 suitably secured to the window frame 1, as by screws 18; said catches being provided with thumb pieces 19. The

catches 14 carry extensions 22 provided with guides 21 for receiving the upper sash; said guides extending flush with the outer facing of the window frame in the normal closed position of the adjustable frame.

In order to permit free swing of the window sashes, when carried by the adjustable frame 9, the sash cords 24 extend over pulleys 25 and through openings 26 in the sashes; said cords being knotted at 27 in the usual way.

From the above description, it will be clear that, upon release of the latch 15, either one or both of the sashes can be swung into the room, as shown in full lines in Fig. 1. Where the entrance of an upward current of air for ventilation is required, the latches 14 can be engaged with the inner recesses 16<sup>a</sup>, for supporting the adjustable frame with the lower sash in the position indicated at 28 in broken lines on Fig. 1.

As shown especially in Fig. 3, the lower sash 5 is provided with tongues 20 which engage recesses in the inner strips 13 and 7, thereby preventing spreading of the sides of the adjustable frame 9 when the latter is swung into open position. As shown especially in Fig. 1, the sash weights are readily accessible through openings 29 in the window frame; said openings being normally closed by the adjustable frame 9 when in closed position.

I have illustrated and described preferred and satisfactory constructions, but, obviously, changes could be made within the spirit and scope of my invention.

Having thus described my invention, what I claim as new therein and desire to secure by Letters Patent is:

1. In a window, the combination of a window frame and the usual upper and lower sashes, outer facings, parting strips, and inner strips carried by said window frame, an adjustable frame hinged to said window frame, means for latching said adjustable frame in its normal closed position, parting strips and inner strips carried by said adjustable frame to form continuations of the corresponding elements on the window frame in the closed position of said adjustable frame, and guides carried by said adjustable frame to form continuations of the outer facings on the window frame in the closed position of said adjustable frame, substantially as described.

2. In a window, the combination of a window frame and the usual upper and lower sashes, outer facings, parting strips, and inner strips carried by said window frame, an adjustable frame hinged to said window frame, means for latching said adjustable frame in its normal closed position, parting strips and inner strips carried by said adjustable frame to form continuations of the corresponding elements on the window frame in the closed position of said adjustable frame, guides carried by said adjustable frame to form continuations of the outer facings on the window frame in the closed position of said adjustable frame, and means for preventing spreading of said adjustable frame when swung in open position, substantially as described.



3. In a window, the combination of a window frame and the usual upper and lower sashes, outer facings, parting strips, and grooved inner strips carried by said window frame, an adjustable frame hinged to said window frame, means for latching said adjustable frame in its normal closed position, parting strips and grooved inner strips carried by said adjustable frame to form continuations of the corresponding elements on the window frame in the closed position of said adjustable frame, guides carried by said adjustable frame to form continuations of the outer facings on the window frame in the closed position of said adjustable frame, and tongues carried by the lower sash for engaging the grooved inner strips of said adjustable frame for preventing spreading of the latter when swung in open position, substantially as described.

4. In a window, the combination of a window frame and the usual upper and lower sashes, outer facings, parting strips, and inner strips carried by said window frame, an adjustable frame hinged to said window frame, stop plates secured to said window frame and provided with a series of recesses, catches secured to said adjustable frame for engaging said recesses, parting strips and inner strips carried by said adjustable frame to form continuations of the corresponding elements on the window frame in the closed position of said adjustable frame, guides carried by

said adjustable frame to form continuations of the outer facings on the window frame in the closed position of said adjustable frame, and tongues carried by the lower sash for engaging the grooved inner strips of said adjustable frame for preventing spreading of the latter when swung in open position, substantially as described.

5. In a window, the combination of a window frame and the usual upper and lower sashes, outer facings, parting strips, and inner strips carried by said window frame, an adjustable frame hinged to said window frame, stop plates secured to said window frame and provided with a series of recesses, catches secured to said adjustable frame for engaging said recesses, parting strips and inner strips carried by said adjustable frame to form continuations of the corresponding elements on the window frame in the closed position of said adjustable frame, and guides carried by said catches to form continuations of the outer facings on the window frame in the closed position of said adjustable frame, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two witnesses.

GEORGE EDWARD HUMPHRIES.

Witnesses:

J. J. WATSON,  
H. J. PRIOR.