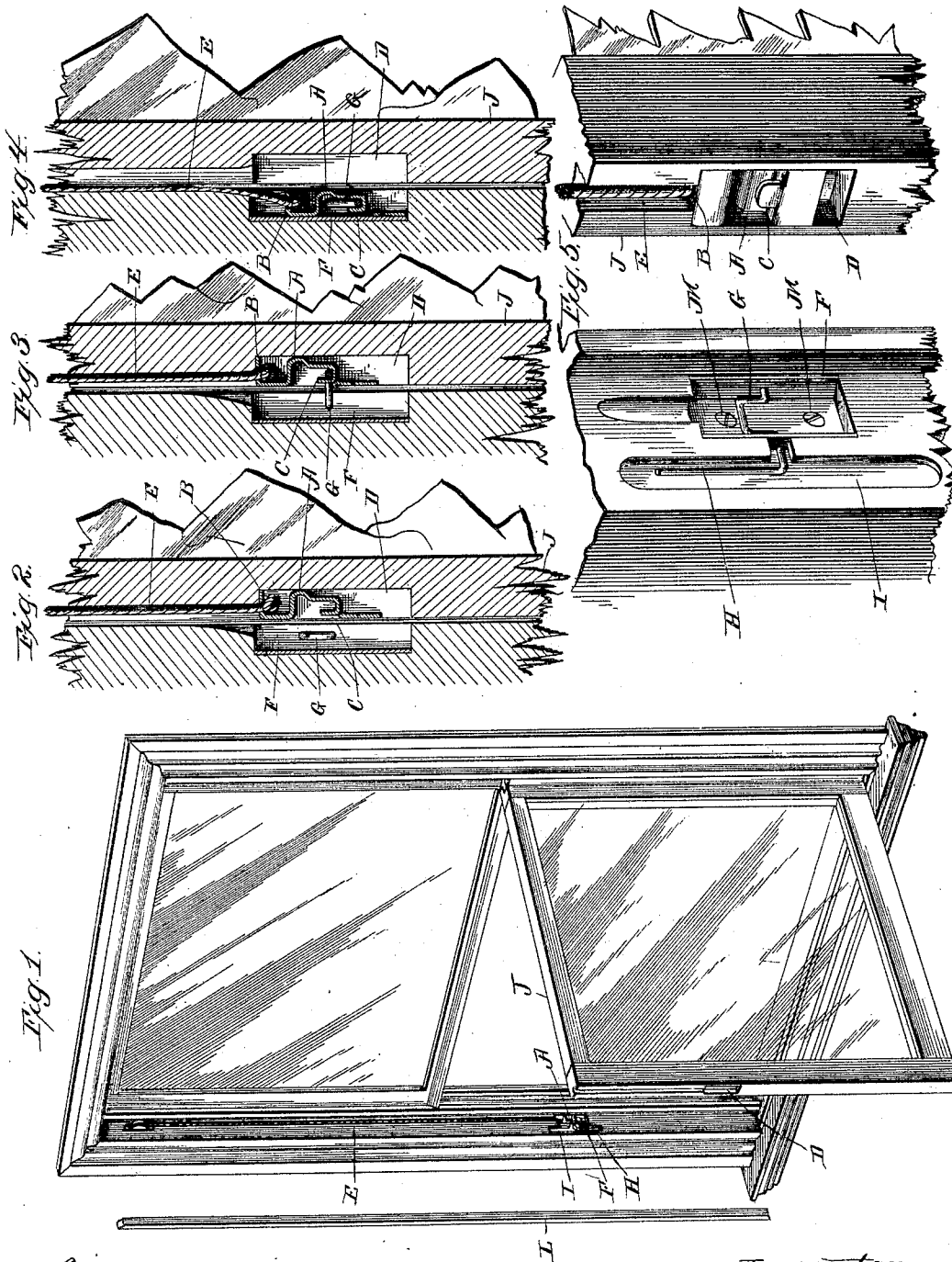


(No Model.)

W. VAN GAASBEEK.
SASH CORD HOLDER AND DETACHER.

No. 581,633.

Patented Apr. 27, 1897.



Witnesses
C. C. Wurdeman,
A. Williamson

Inventor
Washington Van Gaasbeek
by Geo. H. Holgate
Attorney

UNITED STATES PATENT OFFICE.

WASHINGTON VAN GAASBEEK, OF BROOKLYN, NEW YORK.

SASH-CORD HOLDER AND DETACHER.

SPECIFICATION forming part of Letters Patent No. 581,633, dated April 27, 1897.

Application filed April 15, 1896. Serial No. 587,611. (No model.)

To all whom it may concern:

Be it known that I, WASHINGTON VAN GAASBEEK, a citizen of the United States, residing in the city of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Sash-Cord Holders and Detachers and in Connecting and Disconnecting the Same with a Window-Sash; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a new and useful improvement in sash-cord holders and detachers, and has for its object to so attach the ropes which carry the counterbalancing-weights and the sashes of a window as to permit them to be detached therefrom and to provide means for this detachment and reattachment in order that not only may the ropes be held against the action of the weights, but the sash be so freed that it may be readily removed from the window or swung inward in accordance with the construction of the window. These objects I attain by the construction and arrangement of my improvement in such manner that a person with but little physical strength or experience in the management of a window may detach the cords from the sash prior to its withdrawal from the casing and afterward as readily attach the cords thereto, and this is accomplished without in any way marring the appearance of the window when in its normal condition, since the entire mechanism which I utilize is concealed within the edges of the sash and frame.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, its construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective of a window-frame having therein two sashes, the lower one being shown as hinged upon one side and swung inward, the stop-bead being removed to permit this inward swinging and also to expose to view the mechanism utilized for holding the cord against upward movement; Fig. 2,

a section showing the cord-holder in place within the sash and in alinement with the housing or box into which it is adapted to be drawn when detaching the cord from the sash; Fig. 3, a similar view showing the crank-wire turned into engagement with the hook of the cord-holder; Fig. 4, a similar view showing the cord-holder withdrawn from the sash into the box or housing by a further movement of the crank-wire, and Fig. 5 a perspective of both the housing carrying the crank-wire and the cord-holder secured in place.

In carrying out my invention as here embodied I provide a cord-holder A, which is preferably made of metal, which may be cast, if desired, and said holder is so formed as to produce an inturned lip B, having a hole therethrough for the securement of the cord, as clearly shown, by said cord being passed through said hole and knotted between the lip. The holder has also formed therewith a hook C, which lies in substantially the same vertical plane as the face of the holder, while a space is provided immediately back of the hook by the inturning of the body of the holder; and this holder is fitted within a recess D, formed in the edge of the sash and is retained therein by upward strain exerted thereon by the rope E, this rope having the counterbalancing-weight upon its opposite end, which is here not shown. From this it will be seen that so long as the holder remains within the recess the sash will be counterbalanced in the usual manner and will be raised and lowered for the usual purposes, but the withdrawal of the holder from the recess D will free the cord from the sash and permit said sash to be moved outward. In order that this withdrawal may be accomplished, a box or housing F is let within the frame of the window adjacent to the holder when the sash is in its lowered position and the outer edges of the box are flush with the face of the window-frame, in order that it may not interfere with the free up and down movement of the sash when the latter is utilized in the usual way.

A length of wire is so bent as to form a crank G and an operating-handle H, and is journaled within the sides of the box, as clearly shown, so that the crank lies within said box, while the handle extends parallel

therewith, and a recess I is formed in the face of the window-casing beneath the stop-bead for the reception of this handle when either turned up or down.

5 From this description the operation of my improvement will be obviously as follows: The sash J, being hinged at one side and having the rope attached to the opposite side thereof by the holder A being fitted within
10 the recess D, is first lowered, the stop-bead L removed, when by swinging the handle H from its upward position to a lowered position the crank G will pass through a fraction more than a half-circle and in so doing first
15 enter into engagement with the hook C, and then, drawing the holder downward and inward, will finally bring it within the box and below the surface of the frame, thereby completely detaching it from the sash and leaving
20 said sash free to swing inward without affecting the cord or holder. After this has been accomplished the sash may be swung inward, as shown in Fig. 1, whereby easy access may be had to both the inside and out-
25 side surface thereof for cleaning, painting, or other repairs, which, when accomplished, the sash may be again returned to its normal position, and by swinging the handle H to its upper position the crank G will be returned
30 through that portion of a circle which is described when moving downward, during which movement the holder A will be returned to its normal position within the recess D, and when its upper end comes into abutment with
35 the upper end of the recess it will be there retained by the upward strain thereon of the rope, while the crank will continue its movement until passing out of engagement with the hook it stands in a vertical position
40 within the box. Now it is only necessary to replace the stop-bead L to completely hide from view all parts of the attachment, thus leaving the window in its normal condition, both as to appearance and operation.

45 While I have here shown my improvement applied to one side of a window only, the op-

posite side of the sash being hinged to a sliding rail, it is obvious that the same might be utilized upon both sides of the sash and window when one side of said sash was not
50 hinged, thus permitting the complete removal of the sash from the frame, and while for some purposes this would be advantageous for the windows of residents where the persons who handle and clean the windows are
55 usually of small physical strength it may be found preferable to hinge one side of the sash, thus supporting this end of the sash while being swung within the room.

My improvement is exceedingly simple and
60 is readily attached to a window, the box being secured in place by the screws M, while the holder A is only loosely set within the recess D, and when in place it does not require
65 a person of great intelligence or experience to operate the same.

Having thus fully described my invention, what I claim as new and useful is—

1. In combination with a window-frame and the sash thereof, a housing or box fitted within the frame, a crank journaled within the
70 box, a handle for operating said crank, and a holder adapted to pass into or out of engagement with a recess formed in the sash, said holder being also adapted to receive the
75 crank and be withdrawn from the recess by said crank, as specified.

2. In combination with a window-frame and sash thereof, a box secured within the same, a crank-wire journaled therein, a handle for
80 operating said crank, a holder to which the weight-rope is attached, said holder being adapted to pass into and out of engagement with a recess formed in the sash, and a hook formed upon said holder with which the crank
85 is adapted to engage, as and for the purpose set forth.

WASHINGTON VAN GAASBEEK.

Witnesses:

JAMES GALLAGHER,
R. H. RAMO, Sr.