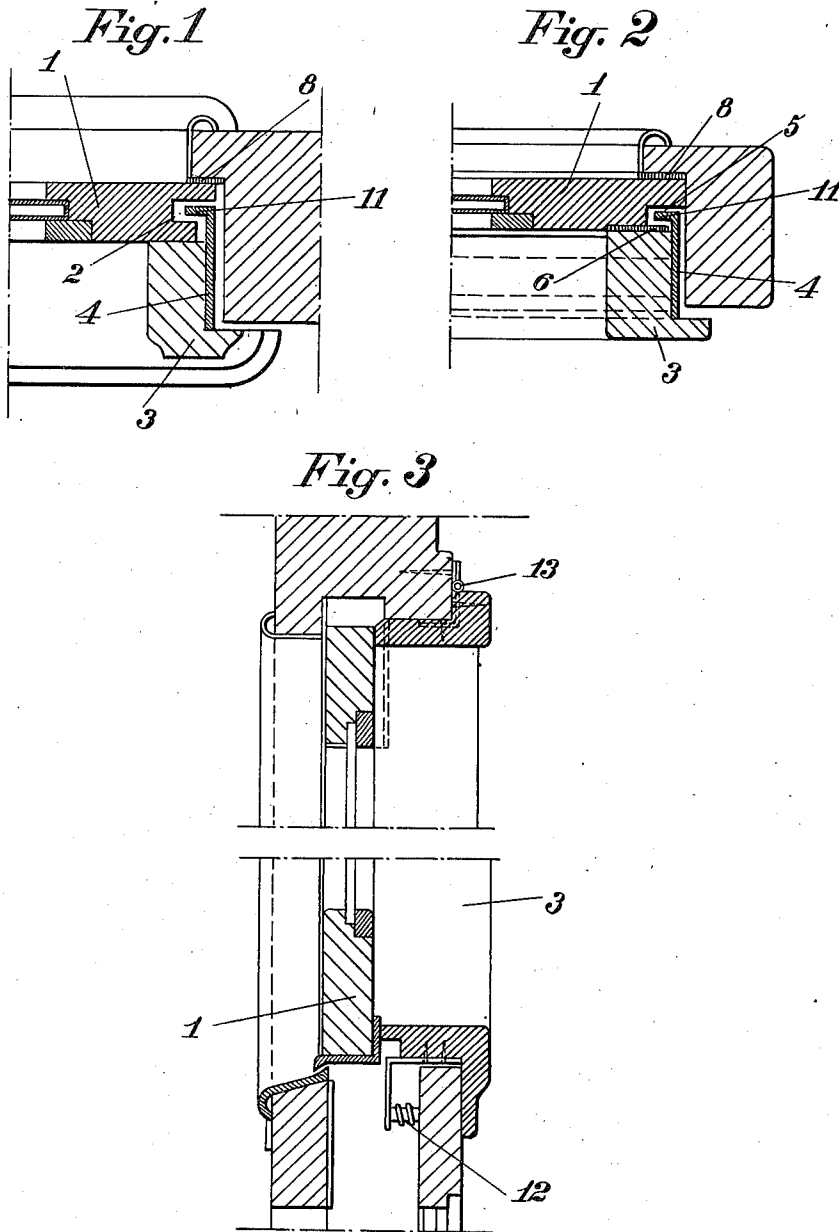


M. HALÁSZ.
DROP WINDOW.
APPLICATION FILED OCT. 8, 1910.

1,032,825.

Patented July 16, 1912.



WITNESSES

John C. Sanders
Albert F. Heuman

INVENTOR

BY *Mano Halasz*
AM McLean
ATTY.

UNITED STATES PATENT OFFICE.

MANÓ HALÁSZ, OF BUDAPEST, AUSTRIA-HUNGARY.

DROP-WINDOW.

1,032,825.

Specification of Letters Patent.

Patented July 16, 1912.

Original application filed November 23, 1908, Serial No. 464,037. Divided and this application filed October 8, 1910. Serial No. 586,053.

To all whom it may concern:

Be it known that I, MANÓ HALÁSZ, a subject of the King of Hungary, and residing at 5 Széputca, Budapest, Austria-Hungary, machine constructor, have invented certain new and useful Improvements in Drop-Windows, of which the following is a specification.

This invention relates to windows, the sashes of which are adapted to be lowered to open, and to be raised to close, and further when in the raised position, are pressed forward onto the packing strip mounted upon the window case, corresponding with the outer surfaces of the sliding sash by means of a spring pressed pressing frame, the sash being automatically kept clear from the packing strip when it is being moved up or down by means of a metal plate—the shape of a U having one of its arms elongated—mounted upon the sash and adapted to slide upon a flanged metal plate carried upon the spring pressed pressing frame. In these windows as hitherto arranged, in order to fit the metal parts, the window case required double rabbeting which considerably weakens the same, and necessitates the frame work being constructed upon a larger scale. These metal plates when made of iron are liable to rust and so cause the window to jam and if made of brass or other non-oxidizing material are very expensive.

The object of this invention is to overcome these disadvantages by providing upon each side of the spring-pressed pressing frame, a single-angled flanged metal plate adapted to co-act with part of the sliding sash either directly or indirectly.

A further object of this invention is to provide sufficient clearance between the flange of the single-angled flanged metal plate and the sash or member upon the sash or the window frame as to permit of the spring-pressed pressing frame having full play causing the window to be pressed against the packing strip when in the raised position as tightly as possible.

In the accompanying drawings: Figure 1 is a sectional view of one side of a window frame fitted according to the invention wherein the member upon the spring-pressed pressing frame engages a groove in the sliding sash. Fig. 2 is a similar cross section illustrating a modification of Fig. 1. Fig. 3

is a section of the window frame showing the spring-pressed pressing frame as hinged at the upper end.

In carrying out the invention as indicated in Fig. 1, the sliding sash 1 is provided in the side edge thereof with a groove 2 of sufficient dimensions to receive the inturned flange 11 of a single-angled flanged metal plate 4 which is attached to the side edge of the spring-pressed pressing frame 3.

In Fig. 2 the sash 1 is provided with a rabbet 5 which is covered by a metal plate 6 and also protected by a plate upon the side edge of the sash. The flange 11 of the single-angled flanged metal plate 4 mounted upon the side edge of the spring-pressed pressing frame 3, lies in the groove 5 in a similar manner as described in connection with Fig. 1.

Normally the sliding sash is pressed closely against the packing strip 8 by the pressing frame 3 under the influence of the spring 12 so as to exclude all draft, but when it is desired to lower the sash it is slightly raised and pulled forward in the usual manner when the pressing frame 3 swings forward with it about its hinge 13, provided at the upper end thereof. This brings the flange 11 into contact or engagement with the opposing side of the groove member in the figures. As the sash is lowered, it is guided away from the packing strip so as to relieve the latter of the usual rubbing action which occurs when lowering a window not provided with the improvements embodied in this invention.

In each of the modes of carrying out the invention ample clearance is left between the flange 11 of the single-angled flanged metal plate 4, and the opposing side of the groove remote from the pressing frame.

This application is a division of my co-pending application No. 464,037, filed November 23rd, 1908.

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

1. In a drop window of the type described, means for holding the sash clear of the packing while it is being raised or lowered and insuring that when in its raised position the sash is pressed closely against the packing, comprising a spring-pressed pressing frame, a single-angled flanged metal plate on each side edge of said press-

ing frame, a sliding sash having a groove in each side edge thereof, each of the grooves on the side edges of the sliding sash being adapted to slide upon and co-act with the corresponding flange of the said single-angled flanged metal plate upon the spring-pressed pressing frame, substantially as and for the purposes set forth.

2. In a drop window of the type described, means for holding the sash clear of the packing while it is being raised or lowered, and insuring that when in its raised position, the sash is pressed closely against the packing, comprising a spring-pressed pressing frame, a single-angled flanged metal plate on each side edge of said press-

ing frame, a sliding sash having an L-shaped groove in each side edge thereof, a flat metal plate for each groove placed so as to form a U-shaped channel, each of said metal plates being adapted to slide against and co-act with the corresponding flange of said single-angled flanged metal plate upon the spring-pressed pressing frame, substantially as and for the purposes set forth.

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

MANÓ HALÁSZ.

Witnesses:

ROBERT BÉRCRI,
HUGH KEMÉRY.