

(No Model.)

J. J. KELLEY.
SASH HOLDER.

No. 551,969.

Patented Dec. 24, 1895.

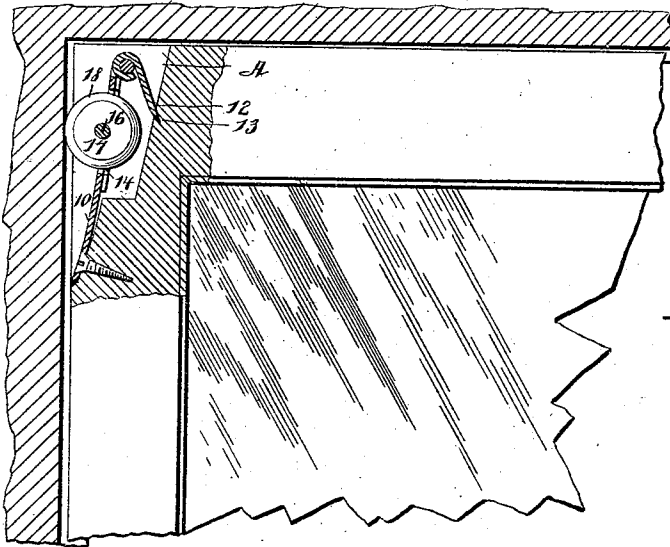


Fig 1

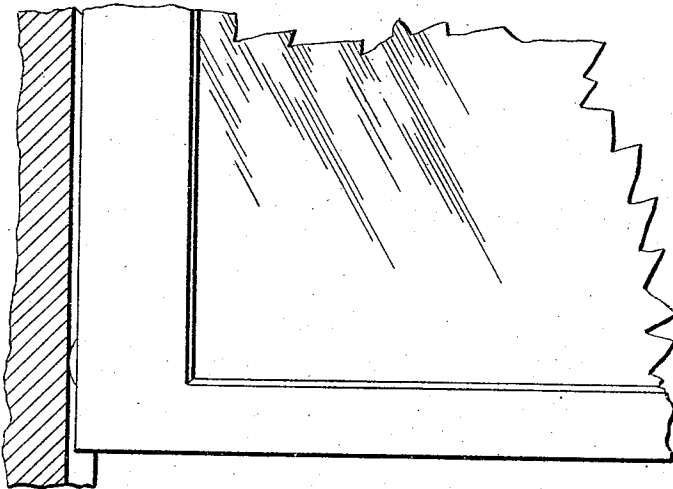
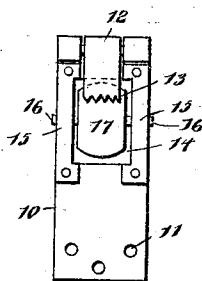


Fig 2



WITNESSES:

W. Walker
J. H. Walker

INVENTOR

J. J. Kelley
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UNITED STATES PATENT OFFICE.

JOSEPH J. KELLEY, OF GREAT FALLS, MONTANA.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 551,969, dated December 24, 1895.

Application filed August 21, 1894. Renewed May 24, 1895. Serial No. 550,578. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH J. KELLEY, of Great Falls, in the county of Cascade and State of Montana, have invented a new and Improved Sash-Holder, of which the following is a full, clear, and exact description.

My invention relates to an improvement in sash-holders, and it has for its object to construct such a device in a simple, durable, and economic manner, and to provide for its ready attachment to a window-sash and its adjustment to and from the sashway, whereby the holder may have greater or less frictional engagement with the said sashway.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in both the views.

Figure 1 is a partial side elevation and partial sectional view of a window-sash, illustrating in section the improved holder applied thereto; and Fig. 2 is a rear elevation of the device.

In carrying out the invention the sash-holder consists of a body-plate 10, which is preferably of a spring material, and the said plate at one of its ends is provided with apertures 11, into which fastening devices, such as screws, are to be introduced. At the opposite end of the plate an adjusting-arm 12 is hinged or otherwise pivotally connected, the said arm terminating at its free end preferably in a series of teeth 13. The body-plate 10 is provided between its ends, preferably nearer the adjusting-arm 12 than its opposite end, with an opening 14, and boxes or bearings 15 are usually formed at opposite sides of the said opening by attaching metal strips to the back of the plate, as shown in Fig. 2, although the said boxes may be otherwise produced. In said boxes the trunnions 16 of a friction-roller 17 are journaled, and the friction-roller is provided with an elastic covering 18 upon its periphery, rubber being ordinarily employed.

In the application of the device two of them are usually applied to each side of the sash,

one near the top and the other near the bottom; but if in practice it is found desirable but two of the devices need be employed, one at each side of the sash.

In placing each device a recess A is formed in a side edge of a sash, and the said recess is usually irregular, as shown in Fig. 1, being made to diminish or being greatly reduced at one end. The apertured end 11 of the body-plate of the device is secured to the wall of the diminished or reduced end of the recess, and the roller is then forced outward so as to have more or less bearing against the sashway or runway for the sash, as shown in Fig. 1, by carrying the free end of the body-plate outward, whereupon the plate is maintained in this position by causing the adjusting-arm 12 to enter the side wall of the recess at its widest end portion. Thus it will be observed that in raising or lowering a window the frictional engagement of the rollers with the sashway will be such that the sash will remain in whatever position it may be placed, while at the same time a window may be expeditiously and conveniently raised or lowered, the device being a substitute for the ordinary sash-weights.

It will be understood that owing to the spring nature of the body-plate but little resistance will be offered in raising and lowering a window, and that the device may be readily used in connection with doors, car-windows, or with equivalent openings of any description.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. As an article of manufacture, a sash holder, the same comprising a plate of a spring material adapted for attachment at one of its ends, its opposite end being provided with an adjusting arm likewise capable of locking the plate in a given position, and a roller journaled in said body plate, adapted for engagement with the run-way of a sash, as and for the purpose set forth.

2. A sash holder, the same consisting of a body plate adapted for attachment to a sash or equivalent support at one of its ends, and provided at its opposite end with a pivoted arm, adapted by engagement with a support to force the plate outward and maintain it in

its adjusted position, and a friction roller journaled in the said plate, adapted for engagement with the run-way of a sash, as and for the purpose specified.

- 5 3. A sash holder, the same consisting of a plate adapted for rigid attachment at one of its ends and provided with an opening between its ends, together with a pivoted arm

at its free end, having a sharpened free extremity, and a friction roller located in the said opening and journaled in the said plate, as and for the purpose specified.

JOSEPH J. KELLEY.

Witnesses:

PHILIP GIBSON,
E. W. KING.