

(No Model.)

L. A. HATHAWAY & E. W. ELKINS.
SASH HOLDER.

No. 489,476.

Patented Jan. 10, 1893.

Fig. 1.

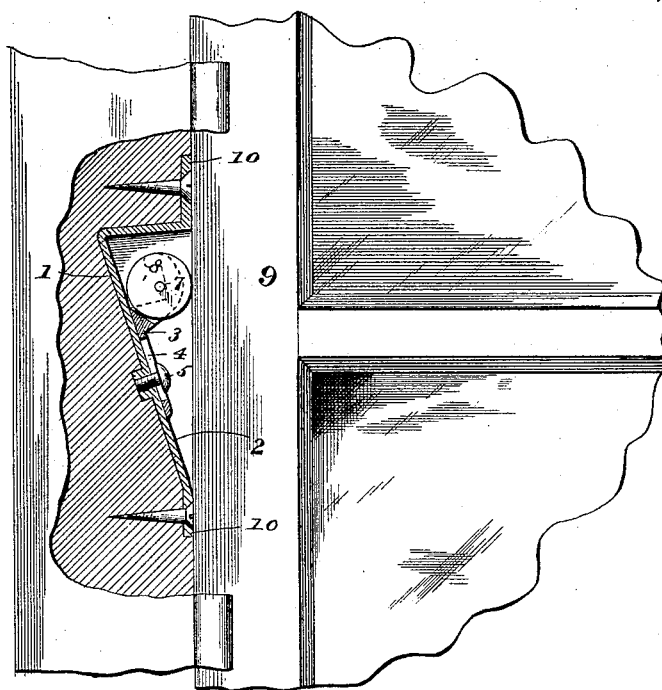


Fig. 2.

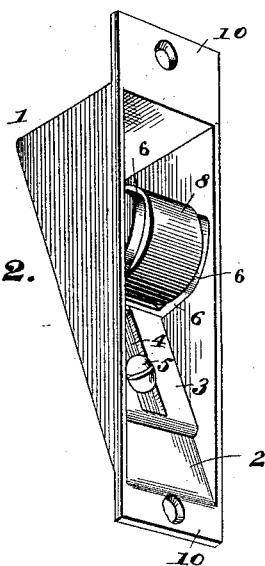
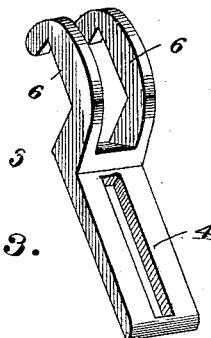


Fig. 3.



Witnesses

J. M. K. Jr.
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By their Attorneys,

Inventors

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UNITED STATES PATENT OFFICE.

LOUIS A. HATHAWAY AND EUGENE W. ELKINS, OF KENYON, MINNESOTA.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 489,476, dated January 10, 1893.

Application filed August 11, 1892. Serial No. 442,829. (No model.)

To all whom it may concern:

Be it known that we, LOUIS A. HATHAWAY and EUGENE W. ELKINS, citizens of the United States, residing at Kenyon, in the county of Goodhue and State of Minnesota, have invented a new and useful Sash-Holder, of which the following is a specification.

The invention relates to improvements in sash holders.

The object of the present invention is to provide a simple and inexpensive sash holder which may be readily applied to a window without interfering with the construction of the sashes, and which may be readily adjusted to suit the size and weight of a window, and to prevent the sashes of a loose window from shaking and rattling.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

In the drawings—Figure 1 is a longitudinal sectional view of a portion of a window provided with a sash holder constructed in accordance with this invention. Fig. 2 is a perspective view of a sash holder detached. Fig. 3 is a detail perspective view of the adjustable bearing plate.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a metal casing triangular in longitudinal section, and having an open front and closed sides, back and top, the back 2 being inclined from the rear or inner end of the top to the front of the bottom of the casing, and forming the back and bottom and providing an inclined portion on which is mounted an adjustable bearing plate 3. The adjustable bearing plate 3 is provided with a longitudinal slot 4, and is secured in its adjustment by a set screw 5, and it is provided at its upper end at opposite sides with rectangular bearing arms 6 forming rectangular recesses to receive journals 7 of a roller 8, whereby the roller is permitted a limited movement on the bearing plate to enable it to move upward and inward to permit a window sash 9 to be moved vertically, and to

move downward and outward to engage the sash frictionally to hold it at any desired adjustment. The casing is secured in a recess of the window frame, and is adapted to be readily applied thereto; the holder is capable of adjustment to suit any weight of sash, and to engage loose sashes which will be held tightly against lapping; and the parts of the device are such that they are held intact, and will not become separated and lost when the sashes of a window are removed.

The back inclined portion of the casing is provided with a threaded opening to receive the set screw, and has on its outer face a boss to increase the thickness of the casing around the threaded opening for the set-screw. The upper and lower ends of the casing are provided with integral flanges 10, which are provided with screw openings and enable the device to be readily secured to a window frame.

What we claim is—

A sash-holder comprising a triangular casing provided at its ends with securing flanges and having an open front and closed sides, top and back, the back of the casing declining and provided with an intermediate boss having a threaded opening, an adjustable bearing plate arranged on the inclined back of the casing and provided with a longitudinal slot and having at its upper end outwardly, upwardly and inwardly extending angular hooked flanges forming rectangular bearing recesses at their inner sides, a roller disposed between the angular flanges and adapted for movement upon the declining bottom of the casing and provided with journals located at its ends and arranged in the bearing recesses and having a limited movement and confined therein, and a set screw arranged in the slot of the bearing plate and engaging the threaded opening in the boss, substantially as described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

LOUIS A. HATHAWAY.
EUGENE W. ELKINS.

Witnesses:

B. J. KELSEY,
GEO. W. PIERCE.