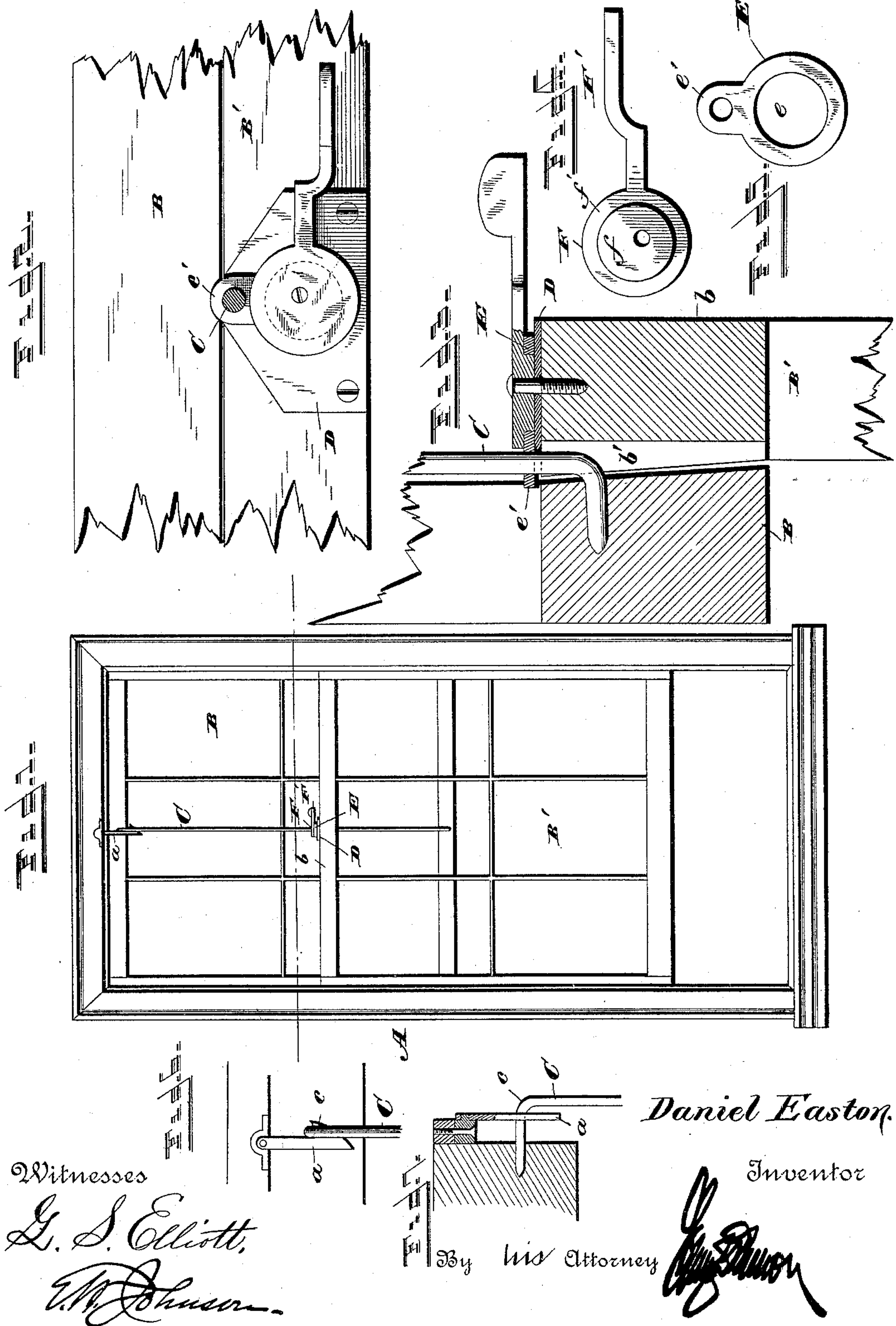


D. EASTON.
SASH HOLDER.

Patented Sept. 17, 1889.



UNITED STATES PATENT OFFICE.

DANIEL EASTON, OF GRAFTON, NEBRASKA.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 411,330, dated September 17, 1889.

Application filed March 11, 1889. Serial No. 302,883. (No model.)

To all whom it may concern:

Be it known that I, DANIEL EASTON, a citizen of the United States of America, residing at Grafton, in the county of Fillmore and State of Nebraska, have invented certain new and useful Improvements in Sash-Fasteners; and I do hereby declare the following to be 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in sash-fasteners, the object of the same being to provide a means whereby sashes for window-frames can be locked when lowered or maintained at a given height when desired, the parts being so constructed that when locked the frames will be prevented from rattling.

My invention consists in the employment of a sash fastener or lock having an eccentric-plate, a movable ring with which said eccentric plate engages, said ring having an eye through which a rod passes, forming a connection between the two sashes, whereby they may be locked to each other, as will be hereinafter fully set forth and claimed.

In the accompanying drawings, Figure 1 is a front view of a sash-frame, showing my improvement applied thereto. Fig. 2 is a transverse sectional view taken through the line *xx* of Fig. 1, embodying a plan view of my improved sash-fastener. Fig. 3 is a vertical sectional view. Figs. 4 and 5 are detail views of the parts of the fastener separated. Figs. 6 and 7 are detail views of the hook attached to the head of the sash-frame.

A refers to the sash-frame, provided with the usual beads forming guides for the sashes B and B'. To the head of the sash-frame is pivoted a hook *a*, which depends from its pivot, so as to swing laterally thereon and engage with the inwardly-bent portion *c* of the rod C, said rod being attached to the inner side of the sash B. The top rail *b* of the lower sash is cut away at *b'* to provide a passage-way for the rod C, and to this rail is

secured a plate D, immediately above which is placed a ring E, provided with a central opening *e* and an offset *e'*, with an opening for the rod C to pass through.

F refers to a turn-button, provided centrally with an integral projecting plate *f*, which lies within the opening *e* in the plate D, the flange *f'* overlying the ring E. From the flange of the plate *f* extends an operating handle or lever F', the outer end of which may be raised to form a thumb-piece, which will be parallel with the center of the rail *b* when the parts are locked together. The eccentric-plate is provided with a perforation, located to one side of its center, through which a screw passes for attaching the same above the plate D and to the sash-rail *b*.

It will be observed from the construction hereinbefore described that when the lever is turned outwardly, or at right angles with the rail *b*, the movable ring E will be projected, so that the rod C will pass freely through the same, and when this lever is turned the ring E will be retracted, so that the offset or extension *e'*, through which the rod C passes, will be retracted to draw the rod C firmly against the knife-edge of the plate D, thereby holding the parts together by frictional contact as well as drawing the sashes together to prevent rattling.

By means of the hereinbefore-described device the upper sash can be lowered to any extent desired, and the lower sash can be likewise maintained at a given height.

When desired, the upper sash can be held raised by causing the hook to engage with the upper bent end of the rod C.

By means of the hereinbefore-described device sash-weights are dispensed with, and a cheap and economical device furnished, which not only takes the place of the sash-weights and cords, but also furnishes a lock and means for preventing rattling.

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

1. A sash-fastener consisting of a disk journaled eccentrically on the upper rail of a lower sash, a loose ring encircling said disk and provided on one side with a small open-

ing, and a vertical rod loosely seated in the opening of the ring and secured to the upper sash, substantially as described.

2. In a sash-fastener, the combination, substantially as described, of the upper and lower sash, a vertical rod secured at its ends to the upper sash, a metal plate secured to and projecting slightly beyond the upper rail of the lower sash at a point opposite said rod,
10 a flanged disk journaled eccentrically on said

upper rail, and a ring encircling said disk below the flange and provided with a small opening within which the rod of the upper sash is loosely seated.

In testimony whereof I affix my signature 15
in presence of two witnesses.

DANIEL EASTON.

Witnesses:

W. G. HAINEY,
LOUIS DITTMAR.