

(No Model.)

S. W. BUZARD.

SASH HOLDER.

No. 316,737.

Patented Apr. 28, 1885.

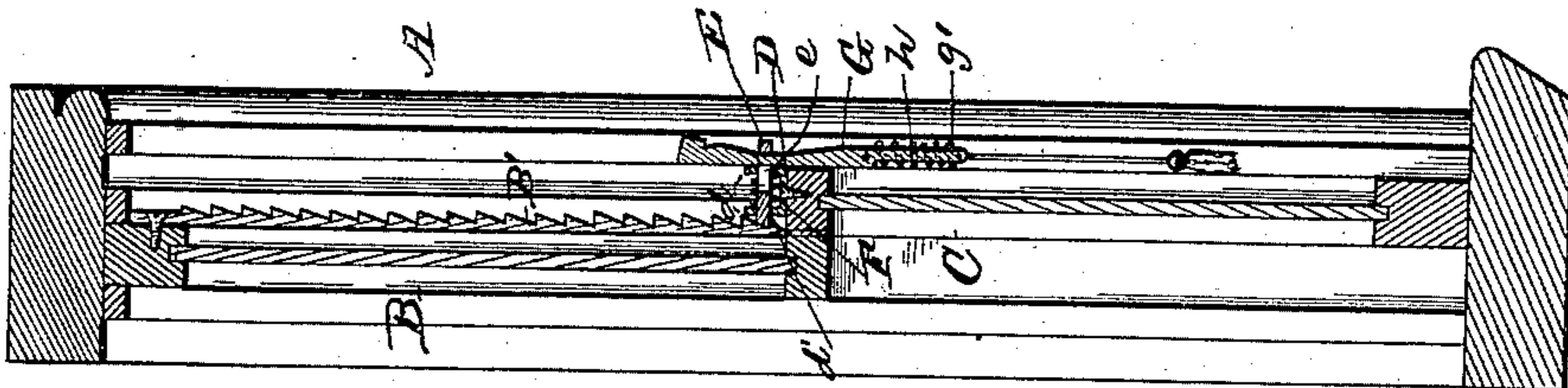


Fig. 1.

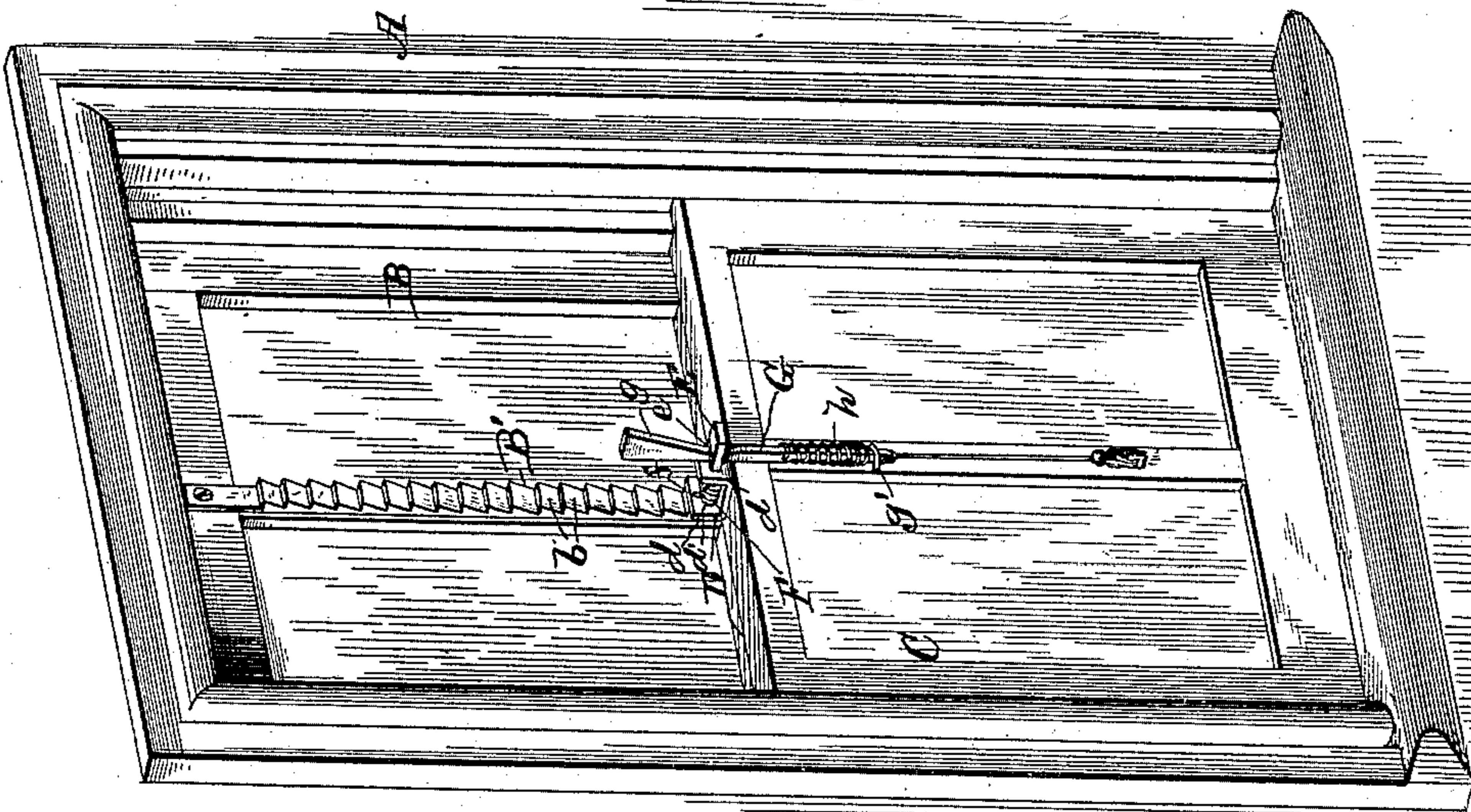


Fig. 2.

WITNESSES

J. L. Orrand

E. H. Johnson

Samuel W. Buzard,
INVENTOR

[Signature]

Attorney

UNITED STATES PATENT OFFICE.

SAMUEL W. BUZARD, OF JAMESPORT, MISSOURI.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 316,737, dated April 28, 1885.

Application filed November 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL W. BUZARD, a citizen of the United States of America, residing at Jamesport, in the county of Daviess and State of Missouri, have invented certain new and useful Improvements in Sash-Holders; 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-holders, the object being to provide a means whereby the lower sash of a window-frame will be held in any vertical position in which it may be placed without the employment of a sash-balance; and my invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view. Fig. 2 is a sectional view.

A represents a window-frame which is provided at its upper portion with a permanently-attached sash, B. To the central bar of the upper sash, on its inner side, is attached a serrated bar, B', the said serrations having downwardly-inclined portions *b*. The upper meeting-rail of the lower sash, C, is provided centrally on its upperside with an angle-plate, D, which is provided with two vertical portions, *d d*, which vertical portions are provided with transverse slots *d'*, through which slots passes a horizontal bar, E, which horizontal bar is provided longitudinally with a slot, *e*. The inner end of said bar is beveled, as shown in Fig. 2, so that the same may better engage with the serrated bar B'. The horizontal bar E, between the upwardly-projecting portions of the angle-plate D, is encircled by a spiral spring, F, one end of which bears against a pin, *f*, while the other end of said spring abuts against the inner side of the upwardly-projecting portion of the angle-plate D, which is

adjacent to the outer edge of the meeting-rail, the effect of this spiral spring being to throw the bar E against the serrated bar B'. A bar, G, having an upper angular portion, *g*, passes through the slot *e* of the horizontal bar E, and also through a staple, *g'*, attached to the center bar of the frame of the lower sash. The bar G has attached near its lower end a spring, *h*, which bears upon the staple *g'* and tends to throw said bar upwardly, so that its portion below the enlarged angular portion *g* will be normally opposite the horizontal bar E. The lower portion of the bar G is perforated for the reception of a cord for drawing said bar downwardly when it is desired to lower the lower sash.

From the foregoing description of the construction of the parts it will be evident that the lower sash may be raised without adjusting any of the parts, and will be held in a raised position, and when it is desired to lower this sash it will be only necessary to draw upon the cord sufficiently to depress the bar G so that its angular portion will contact with the horizontal bar and withdraw the same from the serrations of the plate attached to the upper sash.

I claim—

The combination, in a sash-holder, of the upper sash provided with a vertical serrated bar, the lower sash-frame provided on its upper side with an angle-plate, D, slotted for the passage of the spring-bolt, and spring located in said angle-plate and normally tending to hold said bolt in engagement with the teeth of said rack-bar, a vertical bar, G, having a wedge portion designed to withdraw said bolt from the rack-bar, and an operating-cord depending from said wedge-bar, and a spring for maintaining the wedge portion of said bar out of engagement with the bolt, substantially as set forth.

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

SAM. W. BUZARD.

Witnesses:

HORATIO BUNKER,
JOHN A. McPEEL.