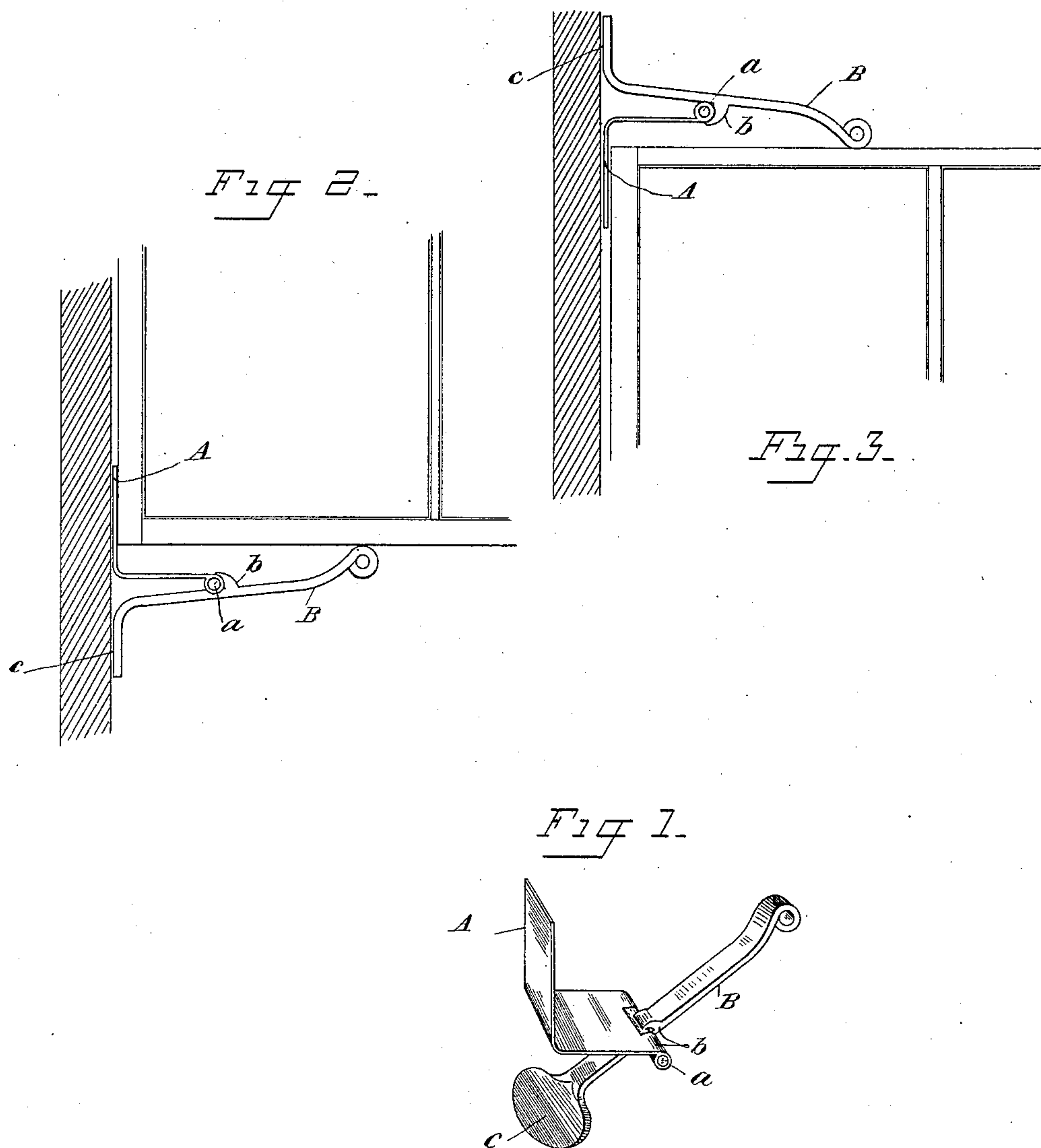


(No Model.)

C. S. APPLE.
SASH HOLDER.

No. 452,463.

Patented May 19, 1891.



WITNESSES
Arthur H. Erb.
W. S. Champion.

INVENTOR
Charles S. Apple.
by Frank C. L. Dyer.
Attorney

UNITED STATES PATENT OFFICE.

CHARLES S. APPLE, OF BELLAIRE, OHIO.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 452,463, dated May 19, 1891.

Application filed March 3, 1891. Serial No. 383,557. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. APPLE, a citizen of the United States, residing at Bellaire, in the county of Belmont and State of Ohio, 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, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to various new and useful improvements in sash-fasteners, by the use of which windows may be securely locked either in an elevated position when opened wholly or partly or in a lowered position when closed.

The principal objects of my invention are to provide and produce a sash-fastener which will firmly secure a window in a lowered or elevated position, which will be simple in construction, effective in use, cheap to manufacture, and capable of being easily and quickly placed in position.

To this end the invention consists, generally, of a right-angled plate, the vertical arm of which being intended to fit in the space between the sash and the sash-frame, and a lever pivoted therein and extending a short distance above the horizontal arm of the plate for engagement with the under side of the sash, and provided with a friction-plate at its lower end for engaging with the side of the sash-frame, all as will be more fully hereinafter described and claimed.

For a better comprehension of the invention attention is directed to the accompanying drawings, forming a part of the specification, and in which—

Figure 1 is a perspective view of the invention; Fig. 2, a side elevation showing the fastener in position for holding the window in an elevated position, and Fig. 3 an elevation showing the fastener in position for locking the window when closed.

In all the above views corresponding parts are designated by the same letters of reference.

A is the right-angled plate, which has been before referred to. This plate is preferably made of sheet metal, which may be stamped or bent into its proper position, but it may be made of cast metal, if desired.

B is a curved lever of the general shape shown, and which is provided with a pivoting-pin *a*. This curved lever is pivoted at the forward end to the plate A, preferably by providing the plate with two bifurcated portions, which are bent over the pivoting-pin *a*, as shown; but it may be understood that it may be pivoted in place in any other way. The curved lever B is provided directly above the horizontal portion of the plate A with a small lug *b*, which bears upon the plate, and which will retain the lever B in a normally-inclined position, so as to engage with the sash-frame, as will be presently described.

The lower end of the lever B is provided with a flat bearing portion which bears upon the sash-frame. If desired, this bearing-face *c* may be suitably roughened, so as to engage more firmly with the sash-frame, or it may be provided with a rubber bearing-face for the same purpose; but I have found that it is not necessary, and with a perfectly smooth bearing-surface every requirement is answered.

The operation of the device is substantially as follows: When it is desired to hold the window in an elevated position, the window is first elevated to the desired height and the plate A is inserted in position with its vertical arm in place between the sash and the sash-frame. The window upon being allowed to descend will bear upon the upper portion of the plate A and cause the lower portion of the bearing-face *c* to engage with the sash-frame. In this way the lever B will be forced into an almost horizontal position, so as to constitute a toggle-joint, which will effectually prevent the further descent of the window. When it is desired to lower the window, it is first elevated so as to allow the lever B to become disengaged from the sash-frame, and the entire fastening is then removed from its place. In this way the window will be effectually held in an elevated position and the smooth bearing-face will not deface or injure the sash-frame in any way. When it is desired to lock the window in a lowered position, the vertical part of the plate A is inserted in place between the top of the sash and the sash-frame with the device in an inverted position, as shown in Fig. 3. It will now be seen that when an attempt is

made to raise the window the lever B will be moved toward a horizontal position, which will force the bearing-plate *c* against the side of the sash-frame, so as to constitute a toggle-joint, and in this way to prevent the window becoming raised.

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

10 An improved sash-fastener consisting of a

right-angled frame A and a curved lever B, pivoted therein and provided with the lug *b*, and with a flat bearing-face *c* at its lower end, all combined and arranged substantially as set forth.

CHARLES S. APPLE.

In presence of—

HARRY NAGLE,
I. B. BARNHILL.