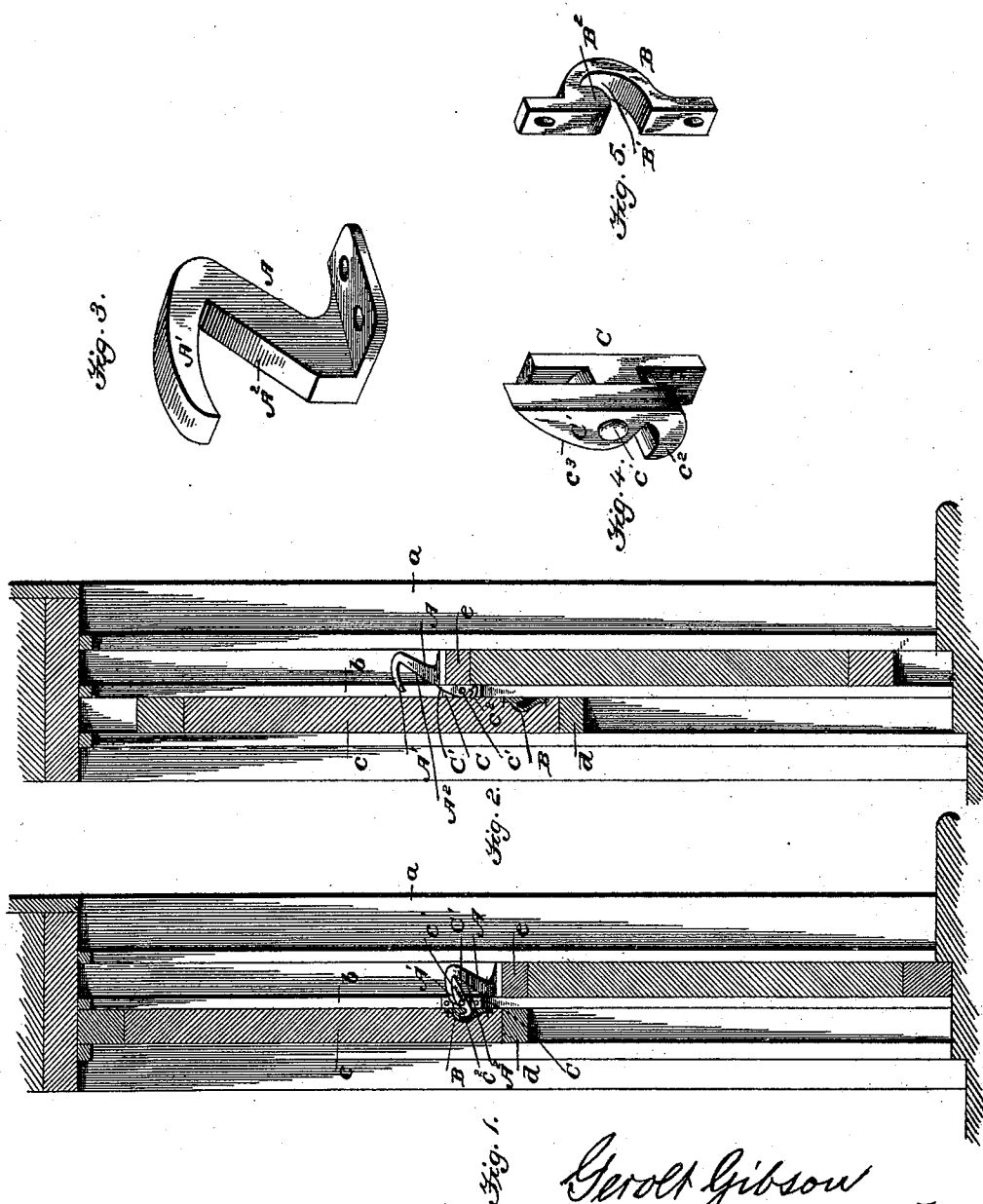


(No Model.)

G. GIBSON.
SASH FASTENER.

No. 473,419.

Patented Apr. 19, 1892.



Witnesses:

Wm. F. Brereton
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UNITED STATES PATENT OFFICE.

GEROLT GIBSON, OF ST. LOUIS, MISSOURI.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 473,419, dated April 19, 1892.

Application filed August 14, 1891. Serial No. 402,643. (No model.)

To all whom it may concern:

Be it known that I, GEROLT GIBSON, a citizen of the United States, residing at the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Window-Sash Locks; and I do 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.

The object of my invention is to provide a lock for windows that will be automatic in action, will prevent rattling of the sashes, or the lowering of the upper sash without first raising the lower sash, this lock being intended for use in connection with a lock for holding the lower sash in its closed position, for which an application for Letters Patent was filed on July 27, 1891, Serial No. 400,802.

In carrying out my invention I proceed as follows, reference being had to the accompanying drawings, forming a part hereof, in which drawings—

Figure 1 is a view in elevation looking toward the side casing of the window in illustration of my automatic window-sash lock as in position for locking the two sashes of a window together and to the casing, the parts being shown as in their locked position; and Fig. 2 is a similar view showing the parts as in their unlocked position, the sashes being slightly separated. Figs. 3, 4, and 5 are detached views in detail illustrating the construction of the several parts composing my lock.

The letter *a* designates the side frame or casing of a window, and *b* the vertical bead that separates the two sashes; *c*, the side vertical rail of the upper sash; *d*, the meeting-rail of the said upper sash, and *e* the meeting-rail of the lower sash. Upon the top edge of the meeting-rail of the lower sash is fixed the member A of the lock, which has a hook end A' and a straight edge A² for the purpose as will presently appear. Seated within the front surface of the side rail of the upper sash, opposite in position to that occupied by the member A, is the member B of the lock, which member has a curved socket, as at B', and a lug B². Adjacent to the member B and fixed to the front edge of the vertical bead that separates the two sashes is the third member C of the lock, and such member is composed of a base to which is pivoted, as at

c', a catch C', having at one extremity a hook *c*² and the other end formed with a curved or cam-shaped surface *c*³. The hook *c*² of the member C corresponds in contour to the socket B' of the member B, and the curved end *c*³ of said member C is adapted to fit the hook end A' of the member A.

The operation of the parts is as follows: The parts of the lock being in the position shown in Fig. 1, upon raising the lower sash the surface A² of the member A is brought against the under surface of the cam end of the catch C', causing said catch to turn upon its pivot *c'*, and thereby disengaging the hook *c*² from the member B, the parts of the lock assuming the position shown in Fig. 2. Thus the lowering of the upper sash is permitted. To lock the sashes of the window together, the upper sash must first be raised to its normal position, and, the lower sash being raised, upon lowering the lower sash the hook end A' of the member A is brought into engagement with the top curved surface of the catch C' and said catch caused to assume a nearly horizontal position, as in Fig. 1, with the hook end *c*² engaging the lug B² of the member B, so that the upper sash is locked and cannot be lowered without raising the lower sash to release the catch C', and the two sashes are by the said catch drawn together and rattling thereof prevented.

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

The lock described for automatically locking the upper sash of a window to the vertical bead of the outside casing and to the lower sash, composed of the member A, having hook end A', secured upon the top surface of the meeting-rail of the lower sash, member B, having socket B' and lug B², secured to the front surface of the side vertical rail of the upper sash, and the member C, having pivoted catch C', with hook end *c*² and cam-surface *c*³, constructed, arranged, and adapted to operate as and for the purposes specified.

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

GEROLT GIBSON.

Witnesses:

W. P. HOWE,
J. H. WATERS.