

C. E. HENNIES.

SASH LOCK.

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914,410.

Patented Mar. 9, 1909.

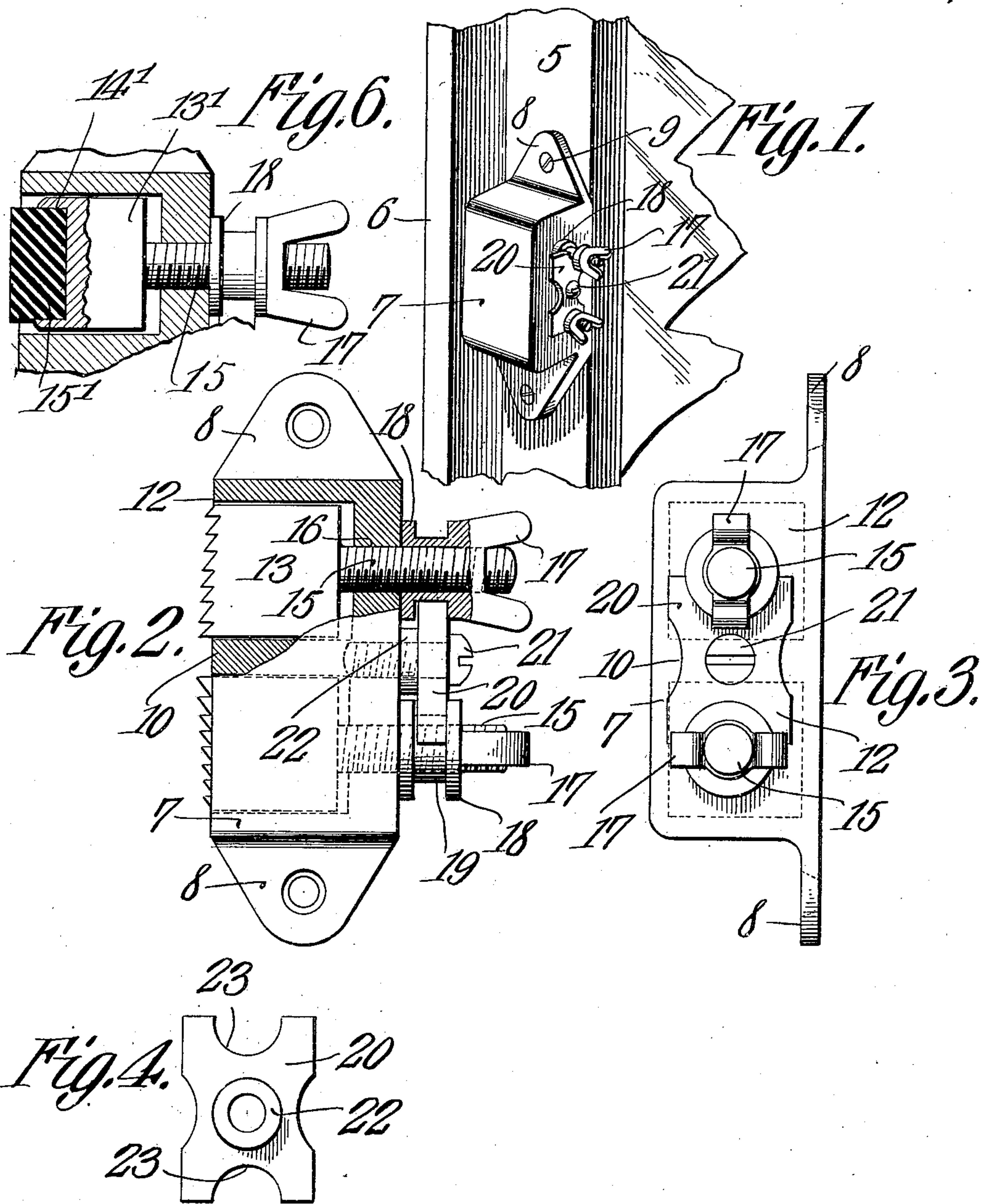


Fig. 5. 22

Witnesses

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UNITED STATES PATENT OFFICE.

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SASH-LOCK.

No. 914,410.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES EDWARD HENNIES, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented a new and useful Sash-Lock, of which the following is a specification.

This invention relates to sash locks and has for its object to provide a comparatively simple and inexpensive device of this character especially designed for attachment to a window sash or similar closure and by means of which the window may be locked in open or partially open position, thereby to permit ventilation.

A further object of the invention is to provide a sash lock including a casing having a plurality of clamping members slidably mounted therein and provided with terminal teeth or corrugations adapted to engage a window frame for supporting the sash in adjusted position.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a sash lock constructed in accordance with my invention showing the same in position on a window sash. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is an end view. Fig. 4 is a plan view of the nut engaging plate. Fig. 5 is an end view of Fig. 4. Fig. 6 is a detail sectional view illustrating a modified form of the invention.

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

The improved sash lock forming the subject matter of the present invention is principally designed for attachment to window sashes and similar closures and by way of illustration is shown in position on a window of the ordinary construction in which 5 designates the sash and 6 the window frame.

The device consists of an elongated casing 7 having an interior chamber opening

through one side of the casing and provided with laterally extending ears or lugs 8 having perforations formed therein for the reception of screws or similar fastening devices 9 by means of which the casing may be fastened in position on the window sash.

Extending transversely of the casing is an intermediate partition 10 defining independent compartments 12 in each of which is slidably mounted a clamping member 13. The inner faces of the clamping members 13 are provided with a series of transverse teeth or serrations 14 gradually increasing in depth from the outer edges of said members to the partition 10 and adapted to bite into a window frame and thus lock the sash in open or partially open position to permit ventilation.

The clamping members 13 are preferably rectangular in shape, as shown, and are each provided with a reduced shank 15 the exterior walls of which are threaded and extended through correspondingly threaded openings 16 in the rear face of the casing for engagement with wing nuts 17. The nuts 17 are each provided with laterally extending flanges 18 spaced apart by an intermediate collar or sleeve 19 one of which normally bears against the adjacent exterior wall of the casing and is held in contact therewith by a plate 20. The plate 20 is interposed between the nuts 17 and is secured to the casing by a screw or similar fastening device 21, there being a collar 22 formed on the lower face of the plate for spacing the latter from the casing a distance equal to the width of the flanges 18. The opposite ends of the plate 20 are provided with segmental recesses 23 to accommodate the collars 19 so that when the wing nuts 17 are adjusted to operate the clamping members, said nuts will be locked against longitudinal movement.

The wing nuts 17 may be adjusted by manipulating the same with the fingers but it is preferred to employ a suitable operating tool (not shown).

In using the device the sash is adjusted in the frame to open or partially open position after which either wing nut is rotated thus forcing the serrated face of the adjacent clamping member in contact with the window frame and securely locking the latter in adjusted position so as to permit ventilation of the interior of the room. If the sash is very heavy or loosely mounted in the frame both of said clamping members are prefer-

ably actuated thereby to present an extended clamping face for engagement with the window frame.

In Fig. 6 of the drawings there is illustrated a modified form of the invention in which the clamping member 13' is provided with a socket 14' for the reception of a cap or contact piece 15', the latter being preferably formed of rubber or other yieldable material so as to prevent injury to the window frame.

The devices may be made in different sizes and shapes and may be nicked, japanned or otherwise coated to give the same a neat attractive appearance.

It will of course be understood that the sash locks may be used on either the right or left hand side of the sash and employed for locking either the upper or lower sash of the window.

Having thus described the invention what is claimed is:

1. A sash lock comprising a casing, a clamping member slidably mounted in the casing and provided with a threaded shank movable longitudinally with said clamping member, a nut engaging the threads on the shank, and means engaging the nut for preventing longitudinal movement of the same when the clamping member is operated.

2. A sash lock comprising a casing, clamping members slidably mounted in the casing and provided with threaded shanks, nuts engaging the threads on the shanks, and means interposed between the nuts and bearing against the latter for preventing longitudinal movement of said nuts when the clamping members are operated.

3. A sash lock comprising a casing having an interior chamber, a partition extending transversely of the chamber and forming independent compartments, clamping members slidably mounted in said compartments and provided with threaded shanks extending through the adjacent wall of the casing, nuts engaging the threads on the shanks,

and means interposed between the nuts for locking the latter against longitudinal movement when the clamping members are operated.

4. A sash lock comprising a casing having independent compartments, clamping members slidably mounted in said compartments and each having one face thereof corrugated, threaded shanks extending laterally from the clamping members and projecting through the adjacent wall of the casing, nuts engaging the threads on the shanks and provided with spaced flanges, and a plate interposed between the nuts and engaging the flanges for locking said nuts against longitudinal movement when the clamping members are operated.

5. A sash lock comprising a casing having attaching ears and provided with a partition defining a plurality of compartments, blocks slidably mounted in the compartments and each provided with a serrated clamping face, the serrations gradually decreasing in height from the center of the casing toward the opposite ends thereof, threaded shanks extending laterally from the blocks and projecting through the adjacent wall of the casing, nuts engaging the threads on the shanks and provided with spaced flanges, one flange of each nut being arranged to bear against the adjacent wall of the casing, a stationary plate interposed between the nuts and provided with oppositely disposed segmental recesses to accommodate said nuts, and a spacing collar extending laterally from one side of the plate and of approximately the same width as the flanges on the wing nuts.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES EDWARD HENNIES.

Witnesses:

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