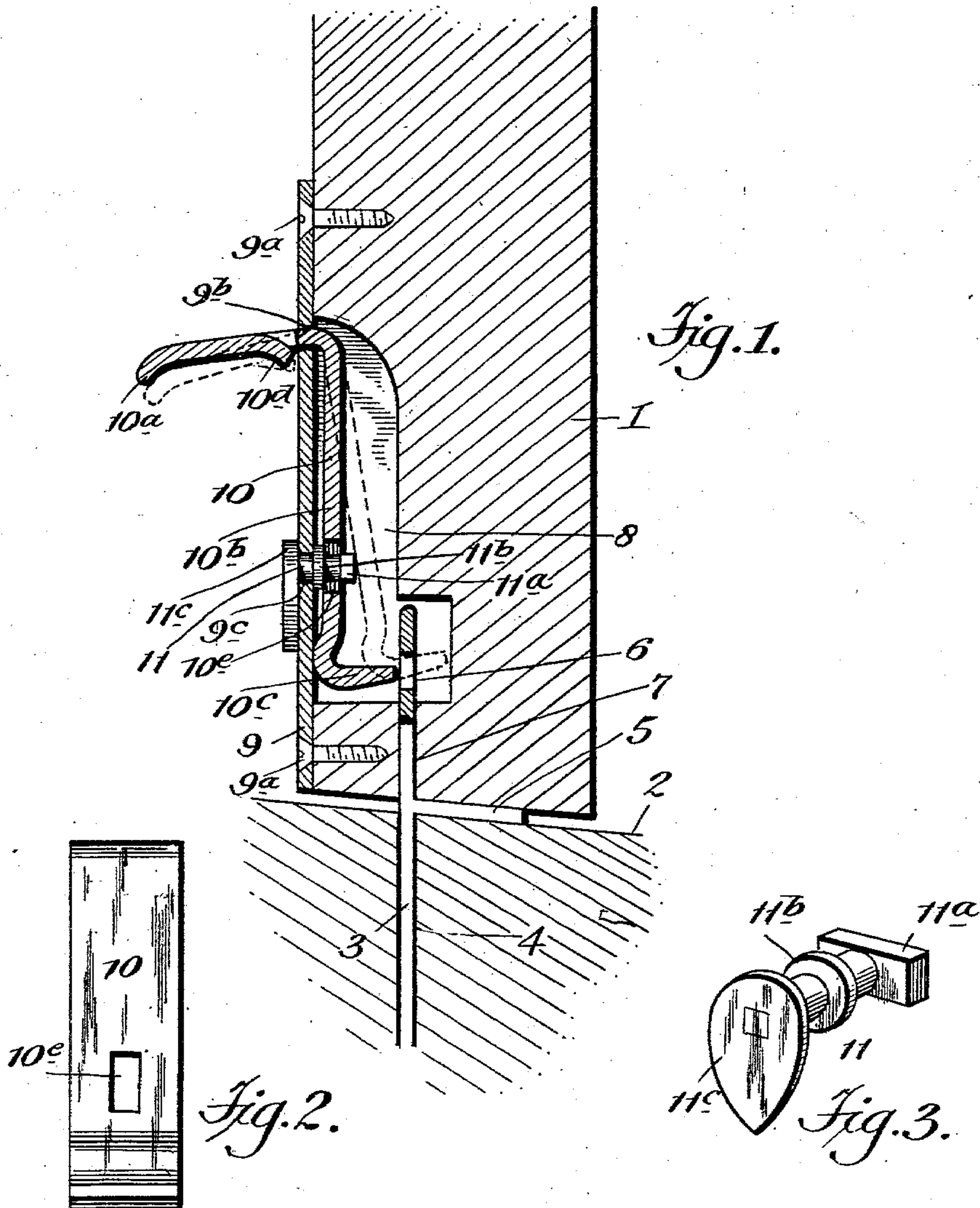


No. 721,015.

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J. D. CAMPBELL.
SASH SCREEN FASTENING.
APPLICATION FILED JUNE 21, 1902.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN D. CAMPBELL, OF NEWTON, NEW JERSEY, ASSIGNOR TO HIMSELF,
AND WALTON C. WHITTINGHAM, OF MILBURN, NEW JERSEY.

SASH-SCREEN FASTENING.

SPECIFICATION forming part of Letters Patent No. 721,015, dated February 17, 1903.

Application filed June 21, 1902. Serial No. 112,638. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. CAMPBELL, a citizen of the United States, residing at Newton, in the county of Sussex and State of New Jersey, have invented certain new and useful Improvements in Sash-Screen Fastenings, of which the following is a specification.

This invention relates to sash-screen fastenings, and has for its object to provide a device of the class described which will possess points of advantage in convenience, simplicity, inexpensiveness, positiveness of operation, effectiveness, and general efficiency.

Another object of the invention is to provide a device of the class described which will serve a double purpose—that is, as a sash-lift as well as a sash-screen fastener.

Another object of the invention is to provide a device of the class described which is held positively out of engagement with the screen unless such engagement is desired, when it is as positively thrown into such engagement.

In the drawings, Figure 1 is a sectional view of a sash-screen fastener embodying my invention, showing the adjacent parts of the sash, frame, and screen. Fig. 2 is a rear elevation of the latch. Fig. 3 is a perspective view of the key.

Corresponding parts in all the figures are denoted by the same reference characters.

Referring to the drawings, 1 designates the lower rail of a lower sliding window-sash of the ordinary type, 2 the lower part of a window-frame, and 3 a screen.

The window-frame 2 is provided with a recess 4, which in the form shown is very narrow. The screen 3 slides in the recess 4 and when in its lowest position projects slightly above the opening of the recess 4 and is provided with a horizontal outwardly-projecting flange 5, which then rests upon the window-sill and prevents water or other objects from outside entering the recess 4. In the form shown the screen 3 has a very thin metallic frame provided in its top rail with a slot 6 intermediate the sides. The rail 1 is provided with a groove 7 to receive the projecting portion of the screen 3 when the sash is closed and with a recess 8, opening into the groove 7. The front of the recess 8 is closed by an

escutcheon 9, secured to the rail in any suitable manner, herein shown as by screws 9^a. The escutcheon 9 is provided near the top of the recess 8 with a transverse slot 9^b and in vertical alinement with the slot 9^b and at a suitable distance above the bottom of the recess 8 with a circular aperture 9^c. A latch 10 is hung in the slot 9^b and has a portion 10^a, projecting outside the escutcheon 9 to form a sash-lift, and a portion 10^b, extending inside the escutcheon 9 and provided at its lower end with a projecting toe 10^c to enter the slot 6 in the top rail of the frame of the screen 3. In the form shown the latch 10 is formed of a piece of flat metal and has a portion just outside the escutcheon 9, struck up, as at 10^d, to abut against the escutcheon 9 when the outer portion 10^a of the latch 10 is pressed down and limit such movement. The latch 10 is provided in the portion 10^b with a slot 10^e, the longer axis of which is vertical and which registers with the aperture 9^c. A key 11, provided with a rectangular head 11^a, complementary to the slot 10^e in the portion 10^b of the latch 10^a and with a stop 11^b, is mounted rotatably in the aperture 9^c and has a handle 11^c, secured on its outer end outside the escutcheon 9. Preferably the handle 11^c is mounted on the key 11, so that normally it will hold the head 11^a with its longer axis horizontal.

The operation and advantages of my invention will be readily understood and appreciated. With the parts in the position shown in Fig. 1 the key 11 projects through the slot 10^e in the portion 10^b of the latch 10, with the head 11^a of the key 11 transverse such slot 10^e. The latch 10 is therefore positively held by the key 11 out of engagement with the slot 6 in the frame of the screen 3, and the sash may be raised without moving the screen 3. If it is desired to lift the screen 3 with the sash, the key 11 is turned until its head 11^a will permit the passage of the slot 10^e over it, when the outer portion 10^a of the latch 10 is pressed down, throwing the toe 10^c inward and causing it to enter the slot 6 in the frame of the screen 3. On releasing the handle 11^c of the key 11 the head 11^a resumes its normal position across the slot 10^e and the toe 10^c is held positively in the slot 6.

I do not desire to be understood as limiting myself to the details of construction and arrangement as herein described and illustrated, as it is manifest that variations and
5 modifications may be made in the features of construction and arrangement in the adaptation of the device to various conditions of use without departing from the spirit and scope of my invention and improvements. I
10 therefore reserve the right to all such variation and modification as properly fall within the scope of my invention and the terms of the following claims.

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

1. In combination with a window-frame provided with a recess in its lower part, a
20 lower sash provided with a groove in its bottom rail and with a recess opening into the groove and a screen sliding in said recess and fitting in said groove and provided with a slot registering with the recess, a latch hung
25 loosely in the recess and provided with a projecting toe adapted to be swung into engagement with the slot.

2. In combination with a window-frame provided with a recess in its lower part, a
30 lower sash provided with a groove in its bottom rail and with a recess opening into the groove and a screen sliding in said recess and fitting in said groove and provided with a slot registering with the recess, an escutcheon provided with a slot in its upper part and an
35 opening in vertical alinement with such slot and adapted to be secured to the lower rail to close the opening into the recess, a latch hung in the escutcheon-slot and projecting outside the escutcheon to form a sash-lift and

down along the inner surface of the escutcheon and provided with means of engaging the screen-slot, and a key rotatable in the escutcheon-opening and adapted normally to hold the latch disengaged from the screen.

3. In combination with a window-frame
45 provided with a recess in its lower part, a lower sash provided with a groove in its bottom rail and with a recess opening into the groove and a screen sliding in said recess and fitting in said groove and provided with a slot
50 registering with the recess, an escutcheon provided with a slot in its upper part and an opening in vertical alinement with such slot and adapted to be secured to the lower rail to close the opening into the recess, a latch
55 hung in the escutcheon and projecting outside the escutcheon to form a sash-lift and down along the inner surface of the escutcheon and provided outside the escutcheon with a struck-up portion to form a stop in the
60 downward movement of the sash-lift and inside the escutcheon with a slot registering with the opening in the escutcheon and with a toe at its lower end adapted to enter the slot in the screen when the sash-lift is depressed, and a key rotatable in the opening
65 in the escutcheon and provided with a head adapted to pass through the slot in the latch and normally to extend transversely across such slot.

In testimony whereof I have signed my name in the presence of the subscribing witnesses.

JOHN D. CAMPBELL.

Witnesses:

J. N. CALVIN,
J. E. MCBRIDE.