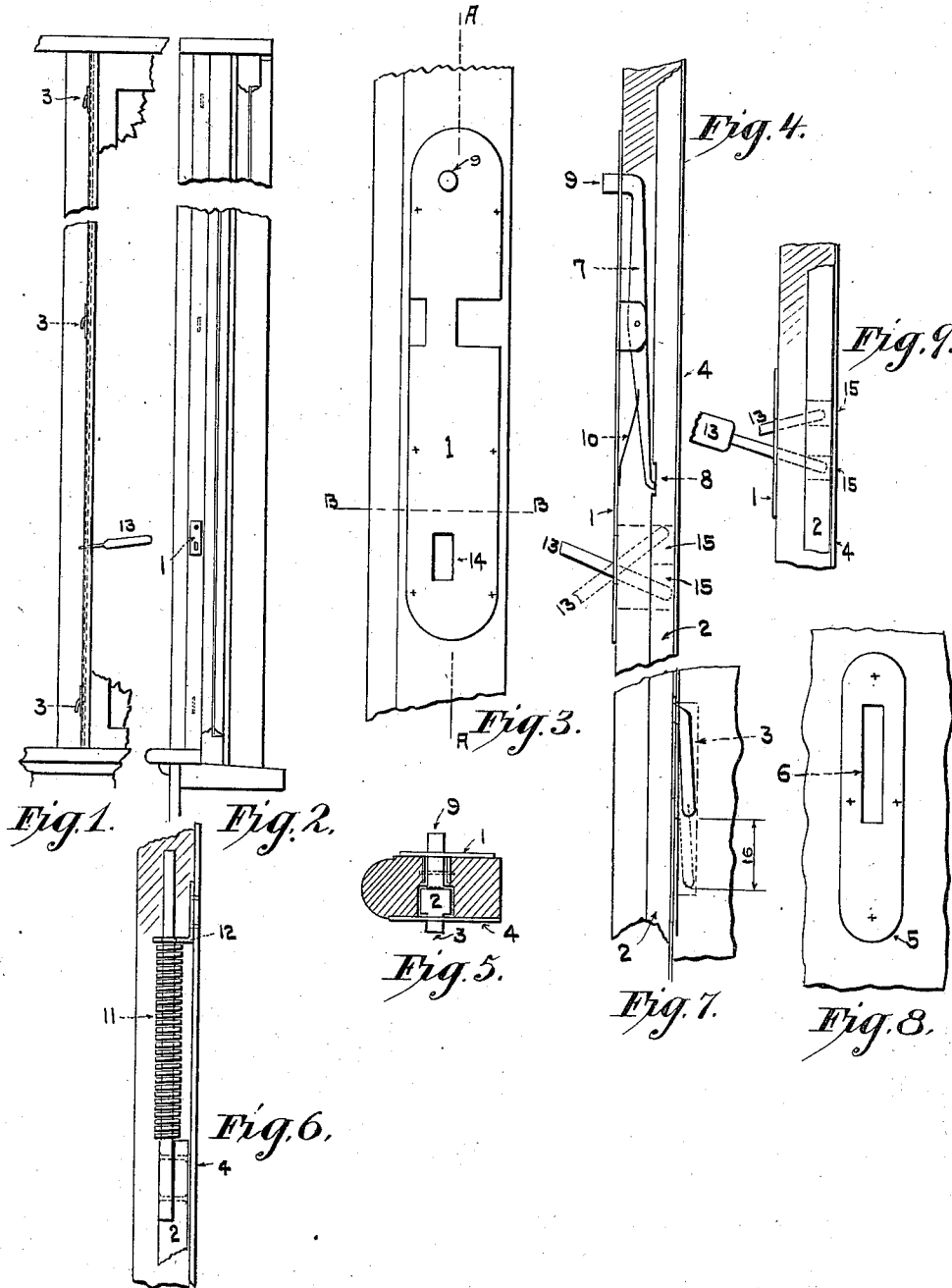


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 WINDOW BEAD FASTENER.
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Patented Nov. 26, 1912.



WITNESSES:

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WINDOW-BEAD FASTENER.

1,045,206.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANTONI SKOWRONSKY, a citizen of the United States, residing at the city of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Window-Bead Fastener, of which the following is a specification.

My invention relates to improvements in window bead or window strip fasteners whereby the bead or strip may be easily and quickly fastened securely in place for the purpose of holding the sash in position and may be equally easily and quickly removed when it is desired to withdraw the sash from the window for the purpose of cleaning, replacing broken panes or any other purpose. I attain these objects by fastening the bead to the frame by means of tongues attached to the bead and made to hook over proper devices attached to the frame, all of said tongues being mounted on a rod running most of the length of the bead, thus permitting all of the tongues to be moved together by moving the rod on which they are mounted. In this way all the tongues are simultaneously engaged in or disengaged from the devices set in the frame for the purpose.

My invention is illustrated in the accompanying drawing, in which—

Figures 1 and 2 show the front and side views of one side of a window with the bead in position, held by tongues 3; Fig. 3 shows shield 1 fastened on the outside of the bead; Fig. 4 shows a longitudinal section A A taken through Fig. 3 and Fig. 5 shows a transverse section B B through Fig. 3; Fig. 6 shows a coil spring which may be placed in the upper end of the bead to hold the tongues 3 in place; Fig. 7 shows one of the tongues 3 in its position when the bead is detached and also in its position when the bead is attached to the frame; Fig. 8 shows a slotted shield fastened to the frame for the purpose of engaging tongue 3 when the bead is in position; and Fig. 9 shows a modification or adaptation of my invention by which the spring may be omitted and the rod and tongues moved both up and down by hand by means of the small tool or lever 13.

Similar numerals refer to similar parts throughout the several figures.

My invention consists principally of a shaft or rod 2 running practically the full

length of the window bead, to which rod are welded or securely fastened tongues 3 at convenient distances apart to hold the bead securely in place. These tongues work in slots cut in plate 4 which is screwed or fastened on the inside or back of the bead and they in turn engage in slot 6 (Fig. 8) cut in shield 5, one of which is screwed or fastened to the window frame immediately opposite the position of each tongue, sufficient mortising being done back of shield 5 in the frame to allow free movement of tongue 3. Rod 2 works in a groove cut in the back of the bead and is held in place in said groove by plate 4 above mentioned. At one end of rod 2, preferably the upper end, I place a coil spring 11 (Fig. 6) for the purpose of pressing tongues 3 down snugly into slot 6 of shield 5 fastened to the window frame, and thus holding the bead firmly in position.

In order to disengage the tongues 3 and remove the bead from the window, I provide the mechanism shown in Figs. 3 and 4, in which small tool or lever 13 is inserted through hole 14 in shield 1 on the outside of the bead and extending through the bead into hole or slot 15 in bar 2 (Fig. 4). By pressing downward on the handle of tool 13, bar 2 and tongues 3 are raised to the position shown by the solid line in Fig. 7, the distance 16 being approximately the amount of space through which it is necessary to move bar 2 and tongues 3 to operate the fastener. When bar 2 is raised the necessary amount, I provide a latch 7 (Fig. 4), to hold it in that position against the pressure exerted by spring 11. Latch 7 consists of a hinged lever with one end conveniently shaped to engage in notch 8 cut in bar 2 and with the other end extending through hole 9 in shield 1 (Fig. 3) in such a way that pressure on latch 7 at 9 will release bar 2, latch 7 being meanwhile held in position by small spring 10 (Fig. 4).

I do not confine my invention to the use of spring 11, but show in Fig. 9 an alternative arrangement which is cheaper to manufacture. In this arrangement I do not use any spring and latch at all, but move bar 2 both up and down positively by means of tool 13 inserted through a hole in shield 1 into the hole 15 in bar 2. Shield 1 can therefore be made much more simple than is shown in Fig. 3, being only a simple shield with one hole through it. In this arrange-

ment the friction between rod 2 and plate 4 on the back of the bead holds rod 2 in any desirable position, especially if rod 2 be bent slightly to increase said friction.

5 Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

10 A window bead fastener of the character described, consisting of the combination of slotted plates attached to the window frame, a rod, with tongues attached thereto, held in a groove in the back of the strip in such a way that it can move endwise, a spring in

said groove to push said rod endwise and hold the bead tightly in place when on the window frame and a latch fastened to the strip to hold said movable rod against the pressure of said spring when the rod is moved endwise by a hand tool or otherwise in releasing the bead from the window frame. 15 20

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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
