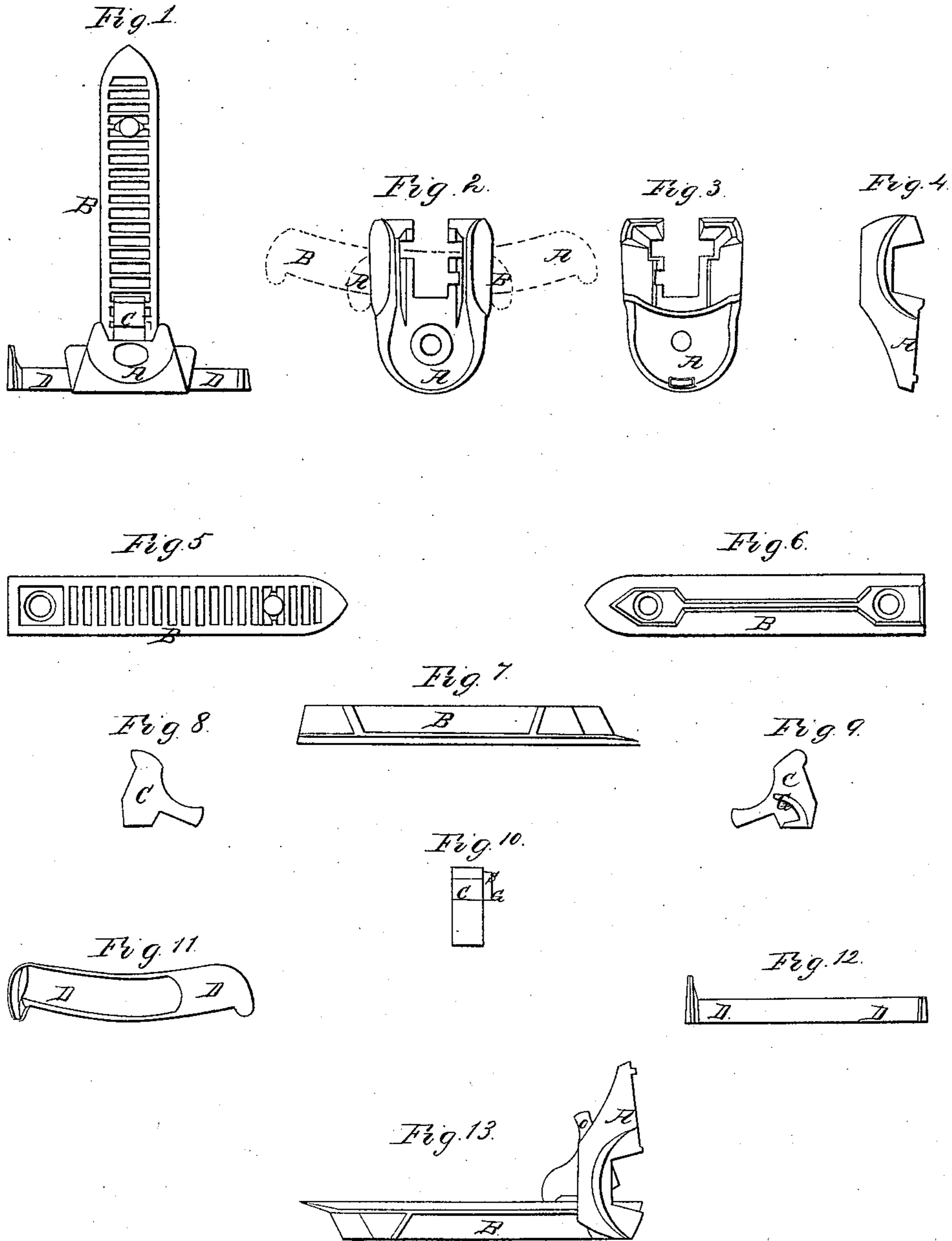


W. E. Arnold,

Sash Fastener.

N^o 40,138.

Patented Sep. 29, 1863.



Witnesses

Isaac C. Wilson
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Inventor

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UNITED STATES PATENT OFFICE.

WILLIAM E. ARNOLD, OF ROCHESTER, NEW YORK, ASSIGNOR TO H. G. ARNOLD AND J. H. CASTLE.

IMPROVEMENT IN WINDOW-SASH LOCKS.

Specification forming part of Letters Patent No. 40,138, dated September 29, 1863.

To all whom it may concern:

Be it known that I, WILLIAM E. ARNOLD, of Rochester, in the county of Monroe and State of New York, have invented new and useful Improvements in a Fastener or Lock for Fastening Weighted or Balanced Sashes, of which the following is a full and exact description, reference being had to the accompanying drawings, making part of the specification, and to the letters of reference marked thereon, and of said drawings—

Figure 1 is a front view of the fastener, which consists of a box, letter A, upright B, tumbler C, and slide D D. Fig. 2 shows the upper side of the box, and openings for the upright and tumbler or catch, and guide G. The dotted lines A A show the slide moved to the right hand as far as it will go. The dotted lines B B show the slide moved to the left hand. Fig. 3 shows the under or inside of the box. Fig. 4 is an edge view of the same, showing the openings for the slide D D, and the points on the under side of the box are intended to aid in securing the box when it is screwed to the top of the lower sash. Fig. 5 is a face or front view of the upright B. Fig. 6 shows the opposite or back side of the same. Fig. 7 is an edge view of the same. Fig. 8 shows one side of the tumbler C or catch. Fig. 9 shows the opposite side of the same, with the guide G and stop S, which holds the tumbler or catch in its proper place, thus forming with the box and tumbler a perfect joint and stop for the use here intended in the most simple and easy manner, and at the same time admitting of the greatest economy in the construction of the tumbler, its adaptation, &c. Fig. 10 is an edge view of the same. Fig. 11 shows the upper side of the slide D D, being hollowed about two-thirds its length, in order to let the tumbler work freely over it. Fig. 12 is an edge view of the slide D D, and is the same as shown in Fig. 1, letters D D. Fig. 13 is an edge view of the fastener or lock, excepting the slide D D, which should be inserted in the openings of the box to complete the fastener. The position of the

upright should be, however, the same as shown in Fig. 1, letter B.

The lock is intended for weighted or balanced sash. The upright B is usually applied to the face of the upper sash, and the box holding the tumbler and slide is screwed to the top of the lower sash. When the catch and upright are as shown in Fig. 13, and all parts of the lock are as shown in Fig. 1, both sashes are fully closed. Here we have what is called a "self-fastener"—that is, by pressing downward on the inner end of the tumbler or handle part of it, (see letter O in Fig. 13,) the inner end or catch part is raised from the upright, so that the upper sash may be lowered or the lower sash raised, as desired. Returning, the catch will always fall back against the upright, and hold the sash at any point as far as there are notches for it to work into. This operation is very desirable for all sashes which work freely, as the window will always be fastened when the sash is down; but when the sashes do not work freely, which is often the case, and especially in damp weather, both hands may be needed in raising or lowering them, which may be done by moving the slide to the left hand, bringing the solid part of it under the tumbler at point N in Fig. 13, raising the catch, and holding it there as long as desired, so that the sashes may be moved up or down as freely as they would if there were no catch or tumbler in the fastener. It will be seen by moving the slide to the right hand the tumbler will again fall into the hollow in the slide and against the upright, and fasten the sash securely. Thus we have the two ways of fastening and unfastening the sash, both good and reliable, whether the lock is applied to the side or center of the sash, each one having its particular advantages over the other, some of which are more readily seen than described; but when the lock is applied to the side of the sash, another and very great advantage arises from the use of the slide by cutting a notch in the parting-stop to let the end of the slide into and hold the lower sash securely, while the upper one

is lowered any distance desired. This operation does not hinder the lock from being used as a self-fastener, or otherwise, at pleasure.

Any length of upright may be used to suit the position of the lock.

Having thus fully described my invention and its utility, what I claim as new, and desire to secure by Letters Patent, is—

1. The slide D D, or its equivalent, in combination with the tumbler C, and catch-box A, and upright B, substantially as herein set

forth and described, and for the purposes herein named.

2. The guide G and stop S, or their equivalents, arranged with the tumbler C, the whole combined with the box A, substantially as and for the purposes set forth.

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Witnesses:

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