

J. W. TRIPP.

WINDOW-SASH BEAD-FASTENER.

No. 170,417.

Patented Nov. 23, 1875.

Fig. 1.

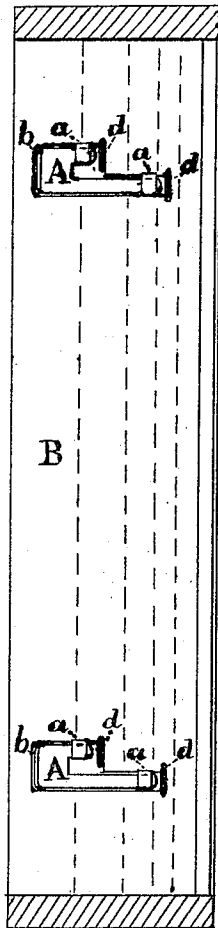


Fig. 2.

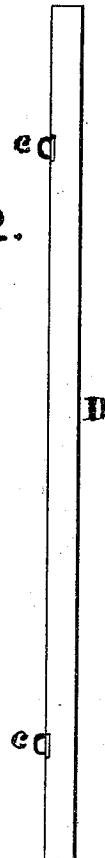
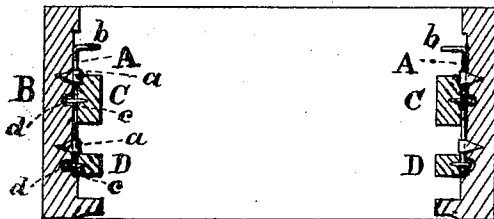


Fig. 3.



Witnesses :

Ho. Anthon.

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UNITED STATES PATENT OFFICE.

JOHN W. TRIPP, OF BELLAIRE, OHIO.

IMPROVEMENT IN WINDOW-SASH-BEAD FASTENERS.

Specification forming part of Letters Patent No. **170,417**, dated November 23, 1875; application filed May 22, 1875.

To all whom it may concern:

Be it known that I, JOHN W. TRIPP, of Bellaire, in the county of Belmont and State of Ohio, have invented certain new and useful Improvements in Window-Sash-Bead Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is a vertical section through the window-frame, with the beads removed to show the sliding bolts; Fig. 2, a side view of the bead, showing staples, or their equivalents, attached to the back of it; and Fig. 3, a cross-section, showing the beads fastened in their proper places by the sliding bolts.

Like letters in all the figures of the drawings indicate like parts.

The object of my invention is to provide a convenient method of fastening and releasing the beads in the window-frame, so that the sash can be readily taken out when desired; and it consists of sliding bolts suitably secured in recesses of the window-jamb, in combination with staples attached to the beads, so that by drawing back the bolts the beads can be released and the sash taken out, as will be hereinafter more fully explained.

A sliding bolt, A, is attached, one at the

upper and another at the lower part of the jamb B. The bolts are constructed as shown in Fig. 1, and placed in recesses flush with the surface of the jamb, and secured therein by guides or holders, *a a*, attached to the jamb. The bolts are provided with flat thumb-pieces *b*, by which they are operated to fasten or release the beads C D. A staple, *c*, is driven in near the upper end of each bead, and depressions, *d d*, are made in the jamb to receive the staples when the beads are fastened in.

The operation is as follows: The sliding bolts are first drawn back by taking hold of the thumb-pieces *b*; the beads are then placed in their proper positions, with the staples in the depressions, and fastened by pushing the bolts in the staples. Both beads are simultaneously fastened or released by respectively sliding in or drawing back the bolts.

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

The sliding bolts A, constructed to fasten both beads C D, in combination with eyes or staples, *c c*, attached to the beads, substantially as set forth.

In testimony that I claim the foregoing as my own invention, I affix my signature in presence of two witnesses.

JOHN W. TRIPP.

Witnesses:

JOHN A. GALLAHER,
D. B. CRATTY.