

No. 702,089.

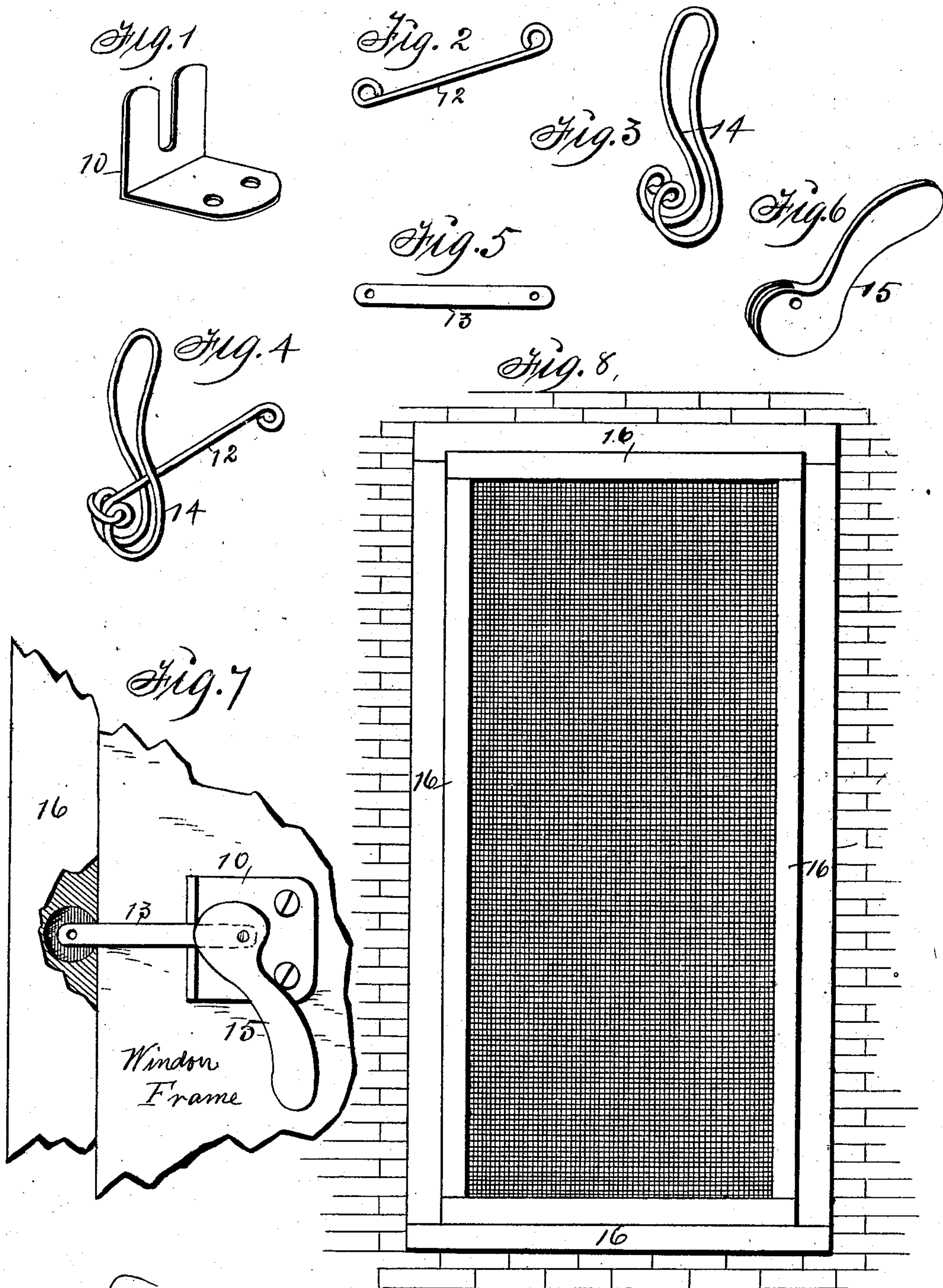
Patented June 10, 1902.

A. L. DARR.

DETACHABLE FASTENER FOR WINDOW SASHES.

(Application filed Mar. 8, 1902.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

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DETACHABLE FASTENER FOR WINDOW-SASHES.

SPECIFICATION forming part of Letters Patent No. 702,089, dated June 10, 1902.

Application filed March 8, 1902. Serial No. 97,325. (No model.)

To all whom it may concern:

Be it known that I, ABRAHAM L. DARR, a citizen of the United States, residing at Carroll, in the county of Carroll and State of Iowa, have invented a new and useful Device for Detachably Fastening a Window or Screen Sash to the Outside of a Window-Frame, of which the following is a specification.

My object is to provide means for detachably fastening an auxiliary sash against the outside of a window-frame without going outside of the building, so that a sash containing fixed window-glass can be readily put in place in winter to aid in keeping a house warm and also readily replaced by a sash having fixed wire-screen material to prevent the passage of flies and to admit fresh air in warm weather when the sliding sashes in the frame are in position as required for ventilation.

My invention consists in the construction and application of sash-fastening devices with a plain movable sash and the facings of a window-frame in a building, as hereinafter set forth, pointed out in my claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a bracket adapted to be fixed to the flat surface of a window-frame facing. Fig. 2 is a link made of wire for detachably connecting an eccentric with a movable sash and a bracket fixed on a window-frame. Fig. 3 is an eccentric on the end of a lever made of wire. Fig. 4 shows the link and eccentric pivotally connected. Fig. 5 shows a link made of a straight flat piece of metal. Fig. 6 shows an eccentric and lever made of cast metal. Fig. 7 is a detail view showing a section of a window-frame and a piece of an auxiliary sash detachably fastened together by means of my fastening devices as required in the practical use of my invention. Fig. 8 is an outside view showing the auxiliary removable sash having a fixed screen resting on the window-sill and retained flat against the outside facing of a window-frame as required for use in summer-time.

The numeral 10 designates a bracket of elbow shape. One end portion is provided with screw-holes, and the other end has an open slot for the admission of a link.

A link 12 is made of wire, as shown in Fig. 2, or a flat metal strap 13, as shown in Fig. 5. A lever and eccentric 14 may be made of

wire, as shown in Fig. 3, or cast in a mold, and the eccentric end portion 15 of the lever bifurcated, as shown in Fig. 6, and the flat metal link and cast-metal lever applied, as shown in Fig. 7, for detachably fastening an auxiliary sash 16 to the outside of a window-frame casing. When a bracket 10 is fixed to the top portion of each side of a window-frame and also to its lower portion and links 12 pivotally connected with the eccentric ends of the levers and also pivotally connected with the auxiliary sash, as shown in Fig. 7, or in any suitable way at four distinct places corresponding with the four fixed brackets, the sash can be passed out through an open window to rest upon the window-sill, as shown in Fig. 8, and the pivoted links placed in the slots in the fixed brackets 10 and the levers then pressed down, so that the eccentrics in engagement with the brackets will draw the sash tight against the outside of the window-frame as required to detachably fasten the auxiliary sash to the outside facing of the fixed window-frame. It is obvious a reverse or upward motion of the levers and a removal of the links from the brackets will free the auxiliary sash, so it can be taken in again when the window is open. Storm sashes and screens can be thus interchangeably and advantageously put in position as required for alternate use in different seasons for promoting comfort in a building.

Having thus described the construction and operation of my invention, its practical utility will be readily understood by persons familiar with the art to which it pertains.

What I claim as new, and desire to secure by Letters Patent, is—

A sash-fastening device consisting of a bracket adapted to be fixed to a window-frame to project outward and provided with an open slot to admit a link and a lever having an eccentric at one end pivoted to one end of a link and a link pivotally connected with the eccentric end of the lever and adapted to be pivotally connected with a window-sash, for the purposes stated.

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