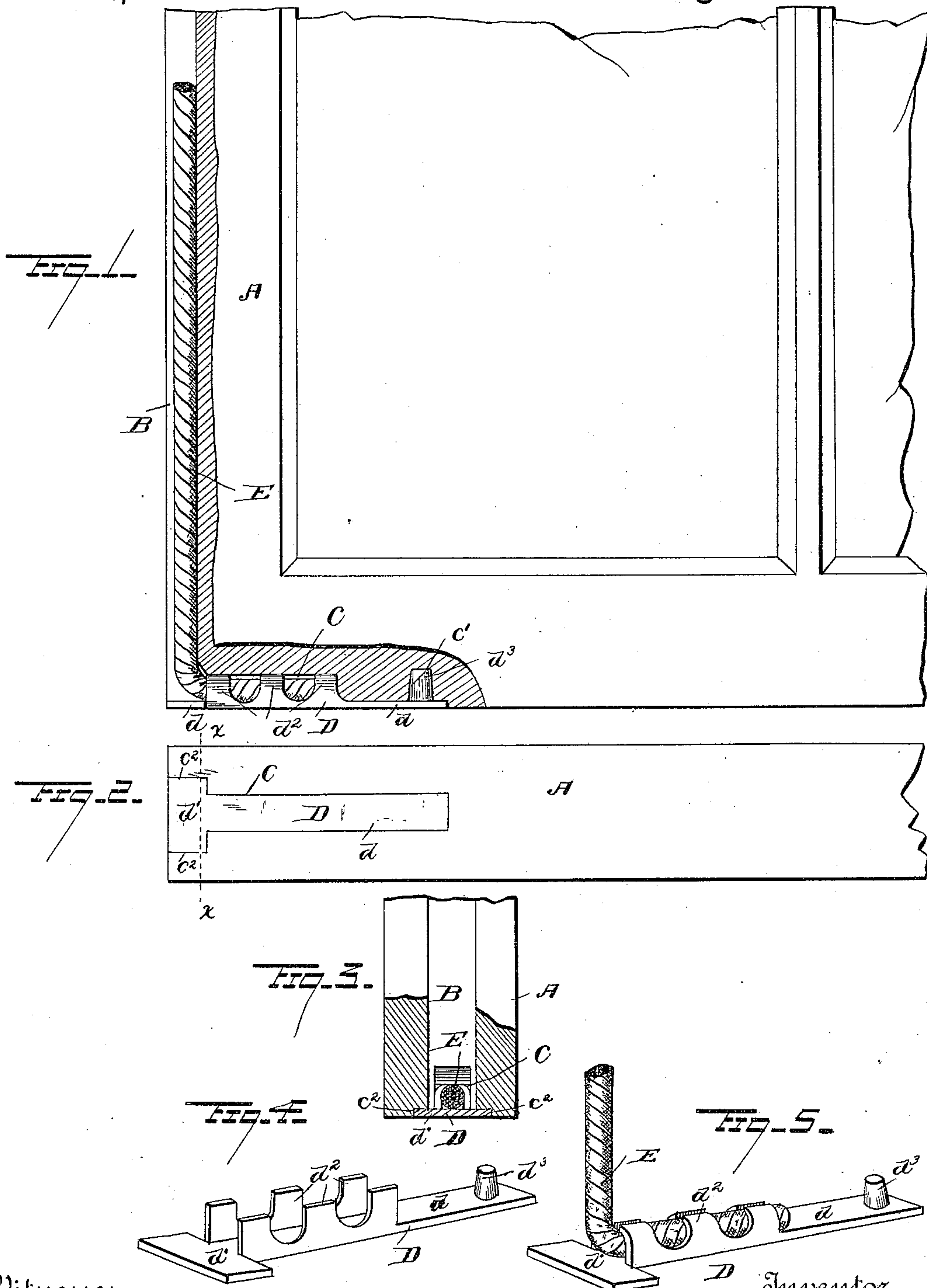


(No Model.)

O. BEEBE.  
SASH CORD FASTENER.

No. 348,101.

Patented Aug. 24, 1886.



Witnesses

Wm. S. Gile  
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# UNITED STATES PATENT OFFICE.

OSCAR BEEBE, OF HORNELLSVILLE, NEW YORK, ASSIGNOR OF ONE-THIRD  
TO SAMUEL MITCHELL, OF SAME PLACE.

## SASH-CORD FASTENER.

SPECIFICATION forming part of Letters Patent No. 348,101, dated August 24, 1886.

Application filed June 23, 1886. Serial No. 206,472. (No model.)

*To all whom it may concern:*

Be it known that I, OSCAR BEEBE, a citizen of the United States, residing at Hornellsville, in the county of Steuben and State of New York, have invented a new and useful Improvement in Sash-Cord Fasteners, of which the following is a specification.

My invention relates to an improvement in sash-cord fasteners; and it consists in the peculiar construction and arrangement of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

The object of my invention is to provide a means for fastening the sash-cord to a window-sash, and to detach the same from the sash without the necessity of having first to remove the sash from the window-frame; and a further object of my invention is to provide a device which is adapted to securely fasten the sash-cord to the sash so that it would be impossible for the cord to become accidentally disengaged from the sash.

In the drawings, Figure 1 is an elevation, partly in section, of a portion of a window-sash provided with my improved sash-cord fastener. Fig. 2 is a bottom edge view of the same. Fig. 3 is a detail transverse sectional view taken on the line *xx* of Fig. 2. Fig. 4 is a detail perspective view of my sash-cord fastener before the cord is attached thereto; and Fig. 5 is a similar view of the fastener, showing the mode of attaching the cord to the same.

A represents the window-sash, which is provided in its sides with the usual vertical groove, B, adapted to receive the cord. In the lower side of the lower rail of the sash, at the ends thereof, are made countersunk recesses C, adapted to receive and retain the sash-cord fasteners D. Each of the said fasteners is cast or stamped from a single piece of suitable metal and comprises the body or shank *d*, having at one end the T-shaped head *d'*. In rear of the said head and projecting upwardly from opposite sides of the shank are vertical lips *d''*, and from the upper side of the shank *d*, at the extremity thereof opposite the head, projects a vertical stud, *d'''*. This stud fits in an opening, *e*, which is made in the inner end of the recess C in the sash, and the projecting ends

of the head *d'* fit in grooves *e'*, which project laterally from the lower end of the groove B.

E represents the sash-cord, one end of the said cord being secured to the fastener D by placing it between the lips *d''*, and then bending the upper ends or points of the said lips inwardly over the cord, so as to firmly embrace the latter and prevent it from slipping from the fastener.

The fastener is secured in the recess C, as before described, and the cord passes directly from the fastener up through the groove B. As the lips *d''* of the fastener are in rear of the head *d'* thereof, it will be seen that the said head forms the short end of a lever, the long end of which is formed by the shank *d*, and that the lips *d''* nearest the head form the fulcrum. The tension of the cord upon the fastener causes the same to be retained very firmly in the recess C in the lower edge of the window-sash, thereby obviating the necessity of providing any other means for securing the fastener to the window-sash, and thereby enabling the cord-fastener to be very readily detached from the sash without the necessity of having first to remove a screw or screws, and also without the necessity of having first to remove the sash from the window-frame. If preferred, the recess C may be made in the side rail in the window-sash, instead of in the bottom rail thereof.

When the fastener is made from steel plates by stamping, the stud *d'''* would be formed by turning up the end of the shank *d* to form the stud.

Having thus described my invention, I claim—

1. The sash-cord fastener comprising the shank *d*, having the lips *d''*, adapted to be bent over upon the sash-cord on opposite sides thereof, so as to secure the same, substantially as described.

2. The combination, with the window-sash having the recess C and the groove B, of the sash-cord fastener D, adapted to fit in the recess C, and provided with lips *d''*, and the sash-cord E, extending through the groove B, and having one end secured between the lips of the sash-cord fastener by bending them over the cord, substantially as described.



3. A sash-cord fastener provided with means for attaching the cords, and having the shank  $d$ , the head  $d'$ , and the projection  $d''$ , adapted to fit in the countersunk opening made in the window-sash, substantially as described.

4. The sash-cord fastener formed from the single piece of metal, and comprising the shank  $d$ , having at one end the T-shaped head  $d'$ , the stud  $d''$ , projecting from the upper side of the opposite end of the shank, and the lips  $d'''$ , projecting from the upper side of the said shank

in rear of the head  $d'$ , and adapted to be bent over the sash-cord, so as to secure the same to the fastener, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

OSCAR BEEBE.

Witnesses:

JOHN M. DEUTSCH,  
JOHN H. REYNOLDS.