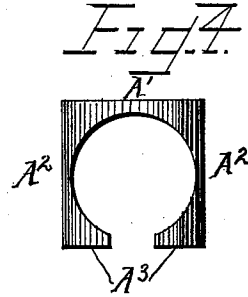
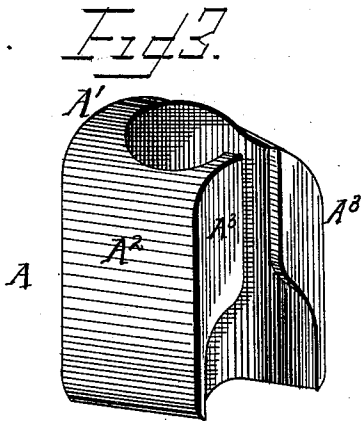
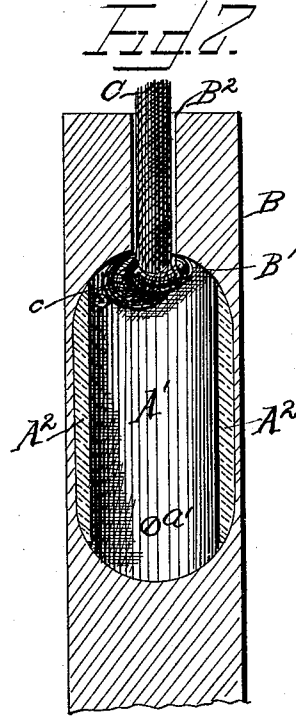
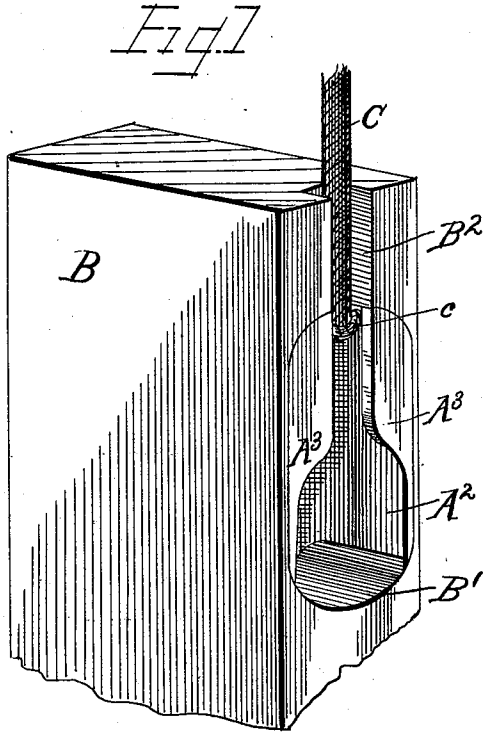


(No Model.)

L. H. MULLIKIN.
SASH CORD FASTENER.

No. 521,806.

Patented June 26, 1894.



WITNESSES
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UNITED STATES PATENT OFFICE.

LEVIN H. MULLIKIN, OF TRAPPE, MARYLAND.

SASH-CORD FASTENER.

SPECIFICATION forming part of Letters Patent No. 521,806, dated June 26, 1894.

Application filed November 9, 1893. Serial No. 490,418. (No model.)

To all whom it may concern:

Be it known that I, LEVIN H. MULLIKIN, a citizen of the United States, residing at Trappe, in the county of Talbot and State of Maryland, have invented certain new and useful Improvements in Sash-Cord Fasteners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, and to letters of reference marked thereon, forming a part of this specification, in which—

Figure 1, represents a portion of a sash rail with my improved sash cord fastener applied. Fig. 2, is a longitudinal section thereof. Fig. 3, is a perspective of the fastener detached, and Fig. 4, is a plan thereof.

The invention relates particularly to that class of sash cord fasteners which are let into a mortise in the edge of the sash and which usually have an overhanging top piece provided with a slot to admit the sash cord, and against the lower face of which top plate the cord knot bears; the top plate also having inwardly extending wings or flanges to prevent lateral or outward movement of the knot. In such fasteners there is a tendency of the edges of the slot against which the knot bears to cut the cord at the knot, and furthermore the sudden dropping of the sash cord weight has a tendency to jerk the fastener out of its mortise.

The object of my invention is to form the fastener with a bore entirely open at its top so that the knot will bear directly against the top wall of the mortise thus giving it a surface of wood to contact with, and also to relieve the fastener of all pulling strain exerted by the weighted cord.

With these objects in view the invention consists in a back plate, and forwardly extending sides having at their outer edges inwardly extending flanges spaced apart at their adjacent edges to admit the sash cord; the upper edges of said flanges and sides being wholly disconnected to render the upper end of the knot receiving space or bore within them entirely open at the top, and thereby permit the knot to bear directly against the top wall of the sash mortise and thus prevent

it from being cut, and also relieve the fastener from pulling strain, as will be hereinafter fully described and claimed.

A, represents the fastener as a whole, and it is formed preferably of malleable cast iron.

B, is a portion of a vertical sash rail having a mortise B' of greater depth than its cord groove B² with which the upper end communicates.

C, is the cord and c its knot.

The fastener A, consists of a back plate A' formed with forwardly extending parallel sides A² having at the upper portions of their outer edges inwardly extending flanges A³ which are spaced apart to permit the entrance of the sash cord C, above its knot c, and the knot may be readily inserted through the wide space below the flanges A³. The upper edges of the sides A² and flanges A³ are wholly disconnected which leaves the bore or interior opening of the fastener entirely open at its upper end so that the knot will slip freely through the said bore, and come into direct contact with the rounding top wall of the sash mortise B', across the lower end of the sash cord groove B². The wooden edges will not cut the cord but will become smooth and polished. The knot will be prevented from slipping outwardly by means of the flanges A³. The lower portion of the back A' is provided with a hole through which a small screw a', may be passed to prevent the fastener from pulling out while the cord is being connected therewith, or disconnected therefrom.

The fastener A, is in the form of an oblong body, square in cross section, having rounded ends and provided with a central bore or knot socket open at both ends, and with a longitudinal slot through its front wall; said front wall being cut away below the lower end of the slot for the entrance of the knot.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

As an improved article of manufacture, a sash cord fastener, having an open upper end through which the cord knot may be drawn, and consisting in a back, forwardly

extending parallel sides and inwardly extending flanges at the outer edges of said sides, and spaced apart at their adjacent edges; the said sides and flanges being disconnected
5 at their upper ends thereby rendering the bore of the fastener smooth or unobstructed from end to end to permit the knot of the sash cord to come into direct contact with the top wall of the sash mortise, substantially as herein described.

LEVIN H. MULLIKIN.

Witnesses:

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JAS. T. O'NEALE.