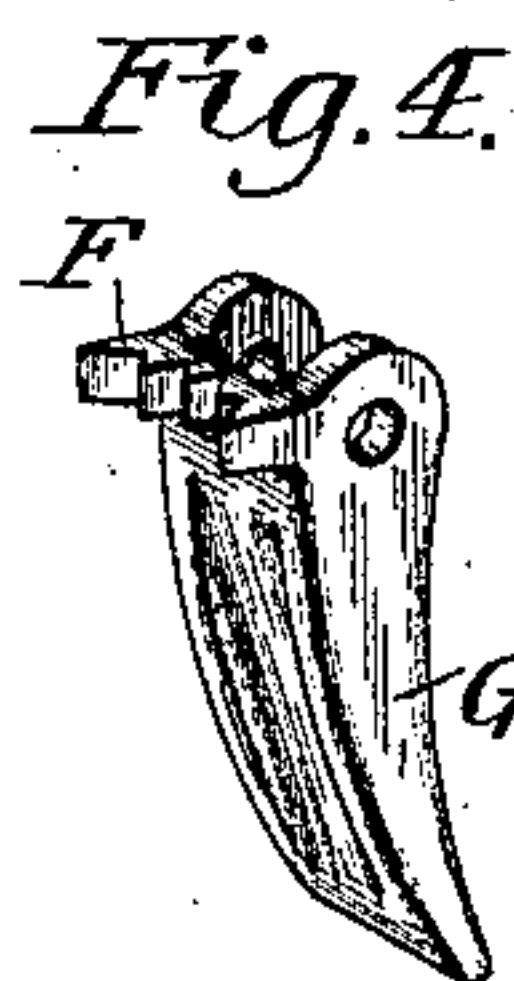
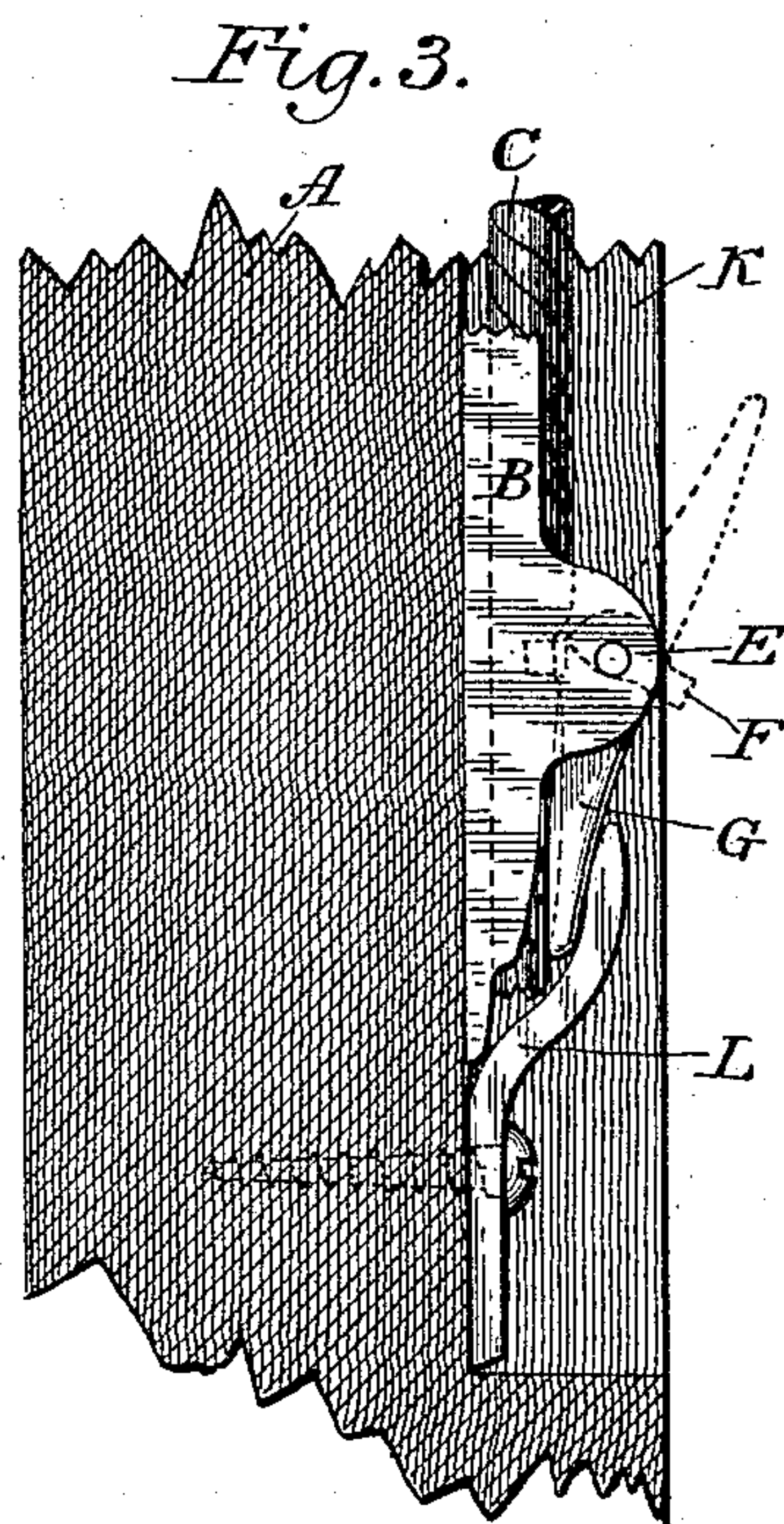
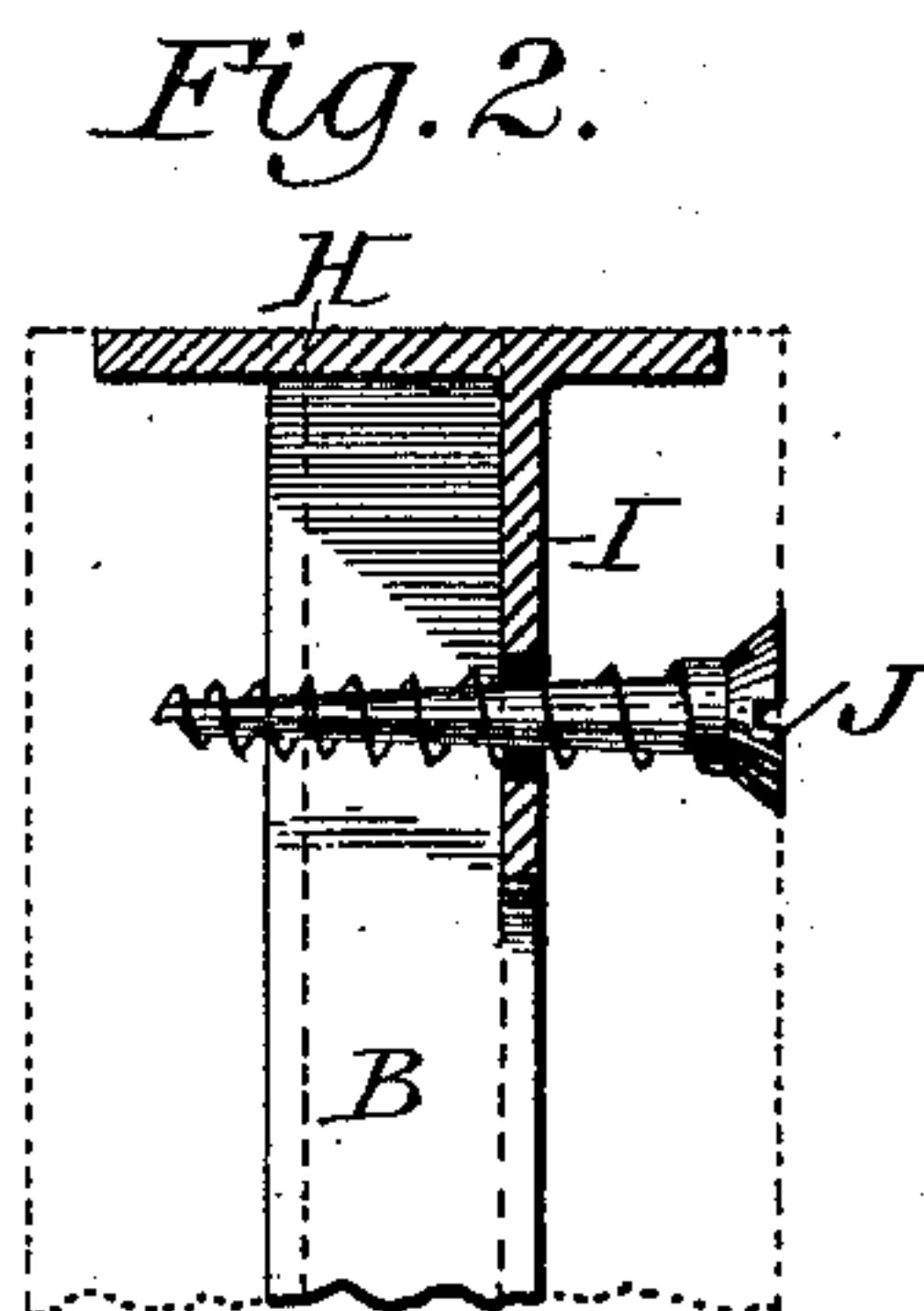
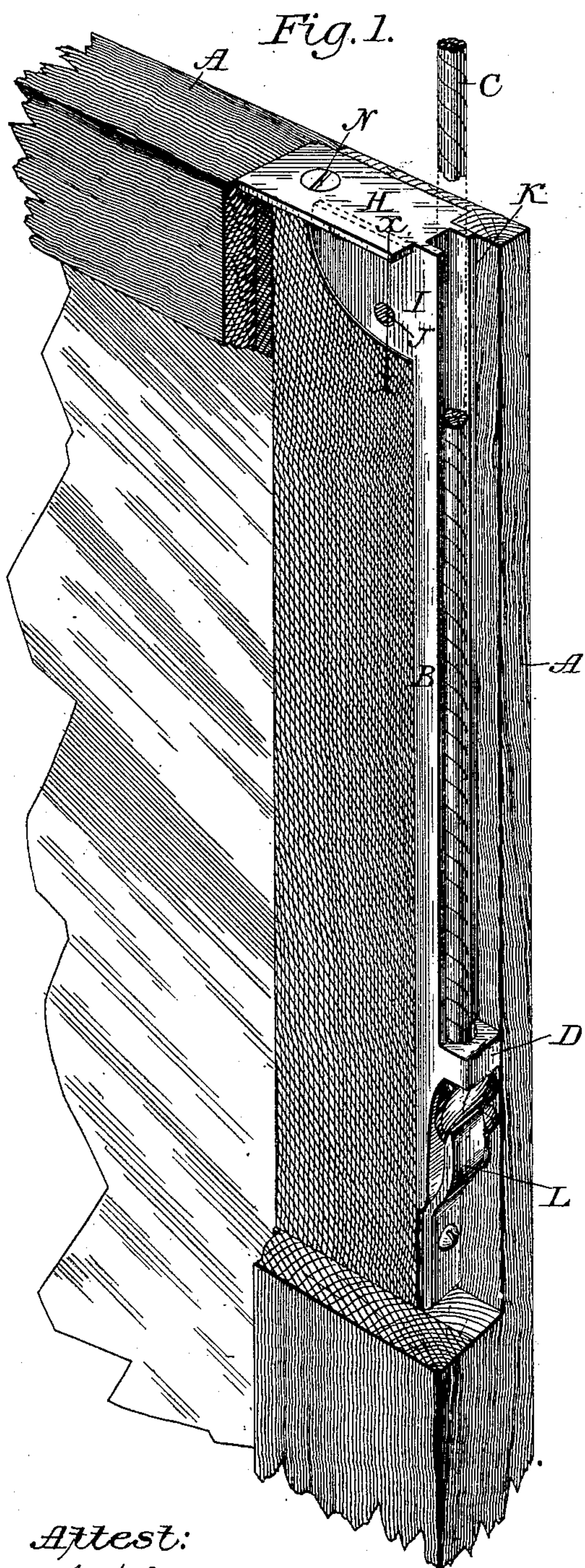


(No Model.)

G. GEYER.  
SASH CORD FASTENER.

No. 427,850.

Patented May 13, 1890



Attest:  
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Atty



# UNITED STATES PATENT OFFICE.

GEORGE GEYER, OF BROOKLYN, NEW YORK.

## SASH-CORD FASTENER.

SPECIFICATION forming part of Letters Patent No. 427,850, dated May 13, 1890.

Application filed February 11, 1890. Serial No. 339,962. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE GEYER, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Sash-Cord Retainers to Facilitate Securing the Weight-Cords to a Window-Sash; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to a device for securing the weight-cords to window-sashes, and has for its object to furnish at a low cost a means for readily and securely attaching the cord to the sash by a device which will permit of the ready renewal of the cord without defacing the sash.

It consists of a detachable metallic cord-retainer constructed substantially as hereinafter described and claimed and adapted to be easily fitted and secured to the upper corner of a window-sash.

In the accompanying drawings, Figure 1 is a view in perspective of the upper corner of a window-sash, partly broken away to illustrate the combination therewith of my improved sash-cord retainer. Fig. 2 is a detached transverse section of the upper end of the retainer in line *xx* of Fig. 1. Fig. 3 is a side elevation of the lower end of the retainer with the sash in which it is seated broken away, illustrating the combination therewith of a pivoted clamp or dog for holding the end of the cord; and Fig. 4 is a view in perspective of the dog detached from the holder.

A represents a window-sash, and B the longitudinal arm of my improved sash-cord retainer fitted to the sash. This arm is of a width less than that of the sash, and is longitudinally grooved or recessed on its outer face to receive and partially embrace the length of the sash-cord C.

Heretofore a transverse lug D, perforated to register with the groove, has been employed to hold the end of the cord, as illustrated in Fig. 1; but in my invention the lower end of the arm B is fitted with ears E E, (see Fig. 3,) between which a dog or clamp F (see Fig. 4) is pivoted to swing into engagement with the end of the cord C. The free end of the dog is serrated to enable it to take firm hold of

the cord, and it is actuated by means of a lever G, extending therefrom at right angles therewith, so that by turning down the lever into a position parallel with the length of the retainer B, as shown in Fig. 3, the dog will be made to bite the cord C.

The upper end of the arm B of the retainer terminates in a flat cap-plate H, extending therefrom at a right angle therewith, to cover and rest upon the top of the sash, and a thin brace-plate I (see Fig. 1) is formed in the angle to strengthen and support the connection of the cap-plate H with the arm B and afford a bearing for a transverse retaining-screw J, to be inserted through the sash-frame and through an aperture in the brace-plate I, as shown in Fig. 2.

A recess is cut out in the top of the sash-frame at the corner thereof to receive the cap-plate H, and a longitudinal recess K is also cut out centrally in the edge of the sash to receive the arm B, so that the outer face of the lug D or of the ears E E shall be flush with said edge.

A keeper consisting of a bent plate L is secured at the lower end of the recess K to overlap and thereby hold the lower end of the arm B when it is inserted and slipped down into said recess far enough to bring the cap-plate H to its seat on the top of the sash and flush with its surface, as shown in Fig. 1.

In use the sash-cord C is attached to the lower end of the retainer B by passing its end under the dog F, which may be turned outward, as shown by the dotted lines in Fig. 3, to permit of the ready insertion of the end of the cord under it, and which, when turned in to engage the cord, will become securely locked in its hold on the cord by the passage of its lever G under the end of the keeper L when the retainer B is fitted in the sash, as shown in Fig. 3.

The retainer is secured to the sash by slipping its arm B down into the recess K on the edge thereof until the cap-plate H rests firmly in its seat on the top of the sash, the brace-plate I being made to enter a mortise cut to receive it in the corner of the sash. The lower end of the retainer will then be held fast by the overlapping end of the keeper L, as shown in Figs. 1 and 3, and its upper end may be secured by means of the transverse screw J and

a second screw N, inserted through the cap-plate, as shown in Fig. 1.

I claim as my invention—

5 The combination, in a sash-cord retainer, of  
an arm made to fit the edge of a window-sash,  
a dog or cam pivoted upon the lower end of  
said arm to leave an intervening passage-way  
for a cord, a lever actuating said dog to close  
it upon the cord, and a keeper secured to the  
10 sash to overlap the end of the lever when the  
dog is made to engage the cord, whereby the

dog is locked to hold fast the cord when the  
retainer is fitted to the sash, substantially in  
the manner and for the purpose herein set  
forth.

In testimony whereof I have signed my  
name to this specification in the presence of  
two subscribing witnesses.

GEO. GEYER.

Witnesses:

A. N. JESBERA,  
E. M. WATSON.

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