

No. 845,035.

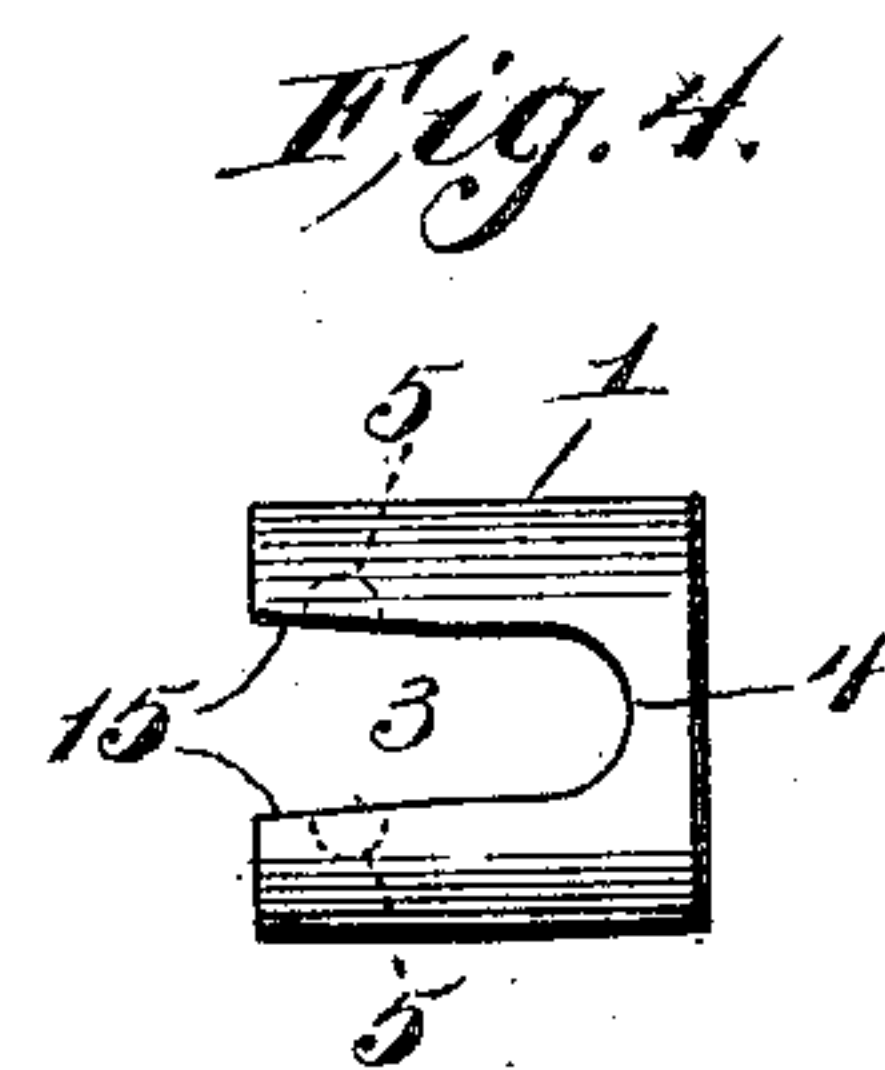
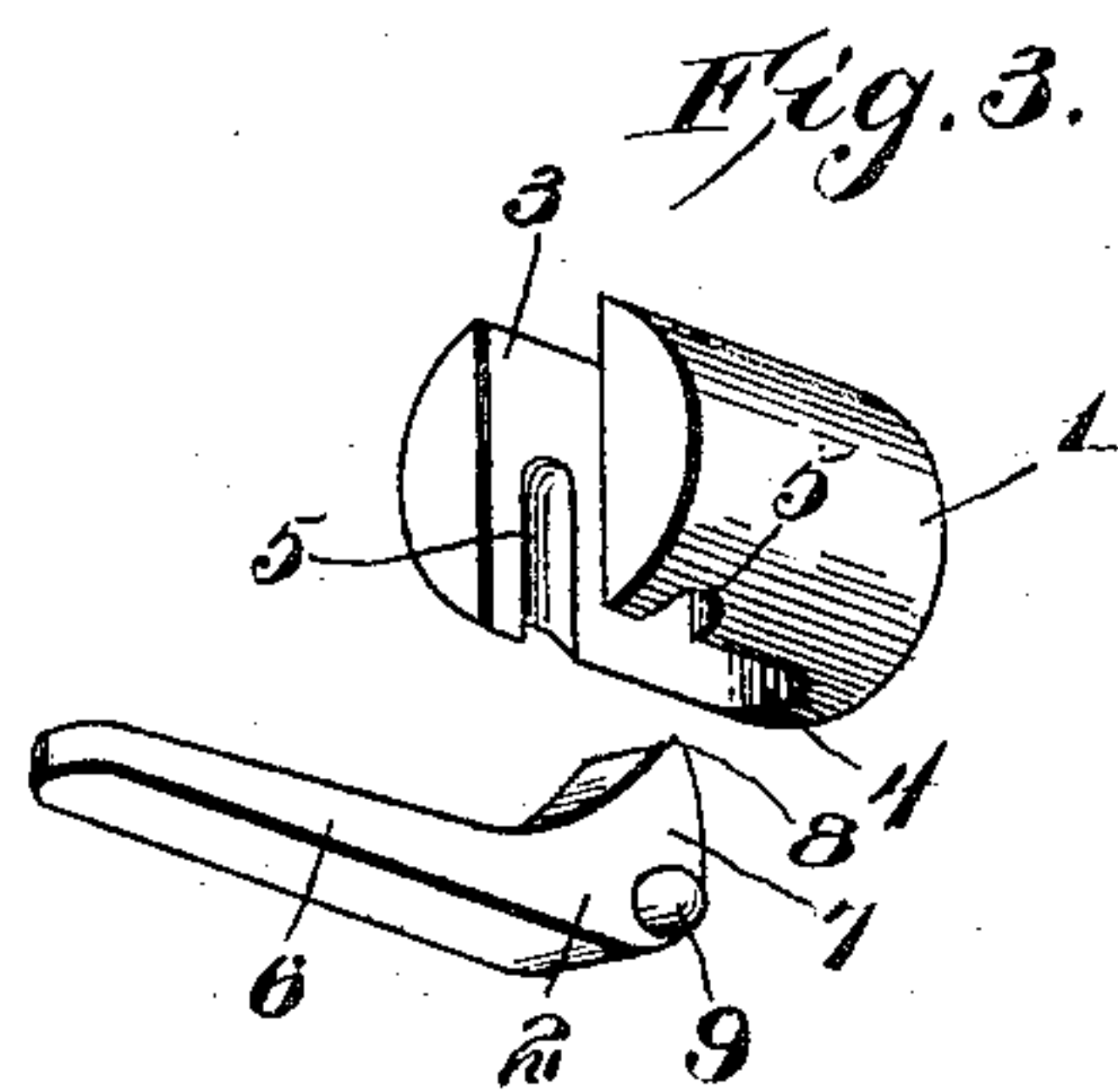
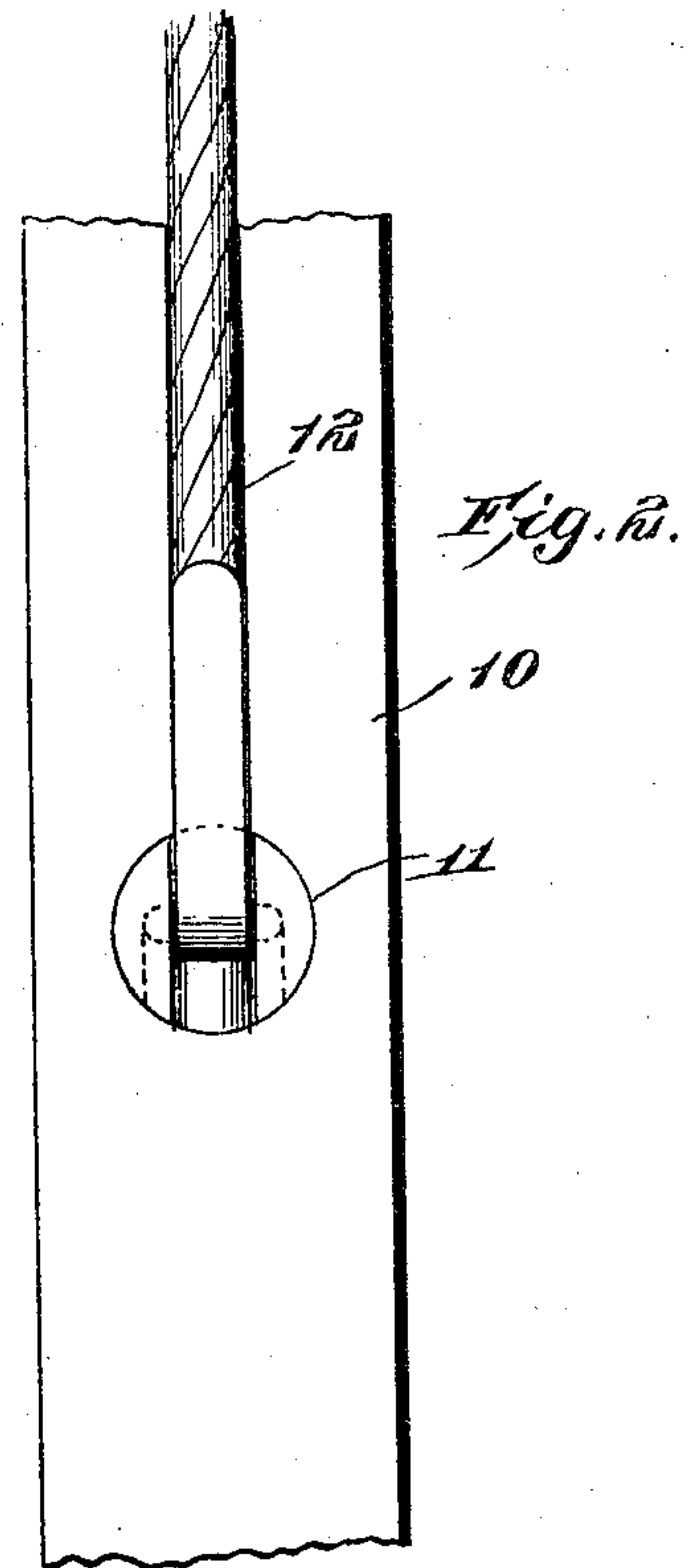
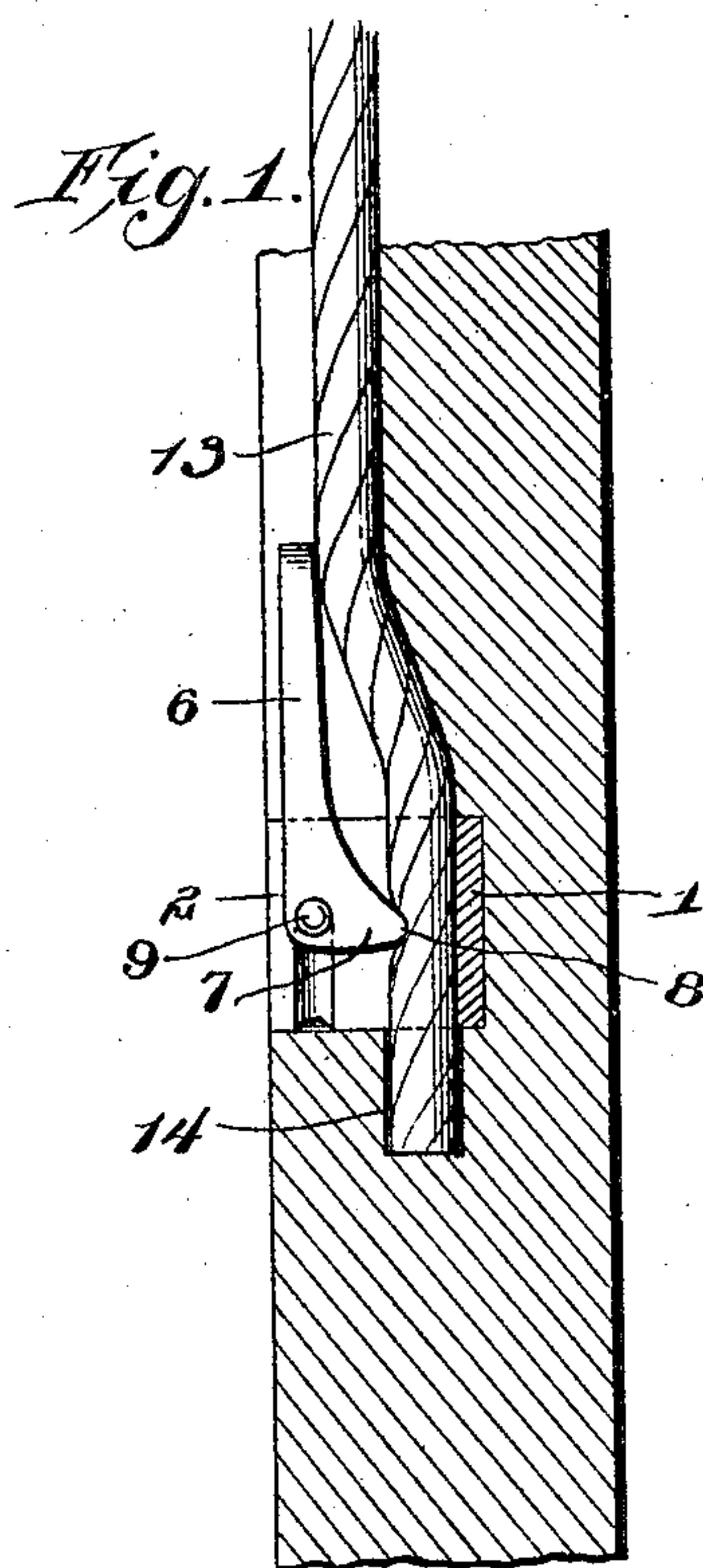
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SASH CORD CLAMP.

APPLICATION FILED APR. 5, 1906.



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ELLEN E. HAMME, OF YORK, PENNSYLVANIA, ADMINISTRATRIX OF LEVI W. STRASBAUGH, DECEASED.

SASH-CORD CLAMP.

No. 845,035.

Specification of Letters Patent.

Patented Feb. 19, 1907.

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To all whom it may concern:

Be it known that LEVI W. STRASBAUGH, deceased, late a citizen of the United States of America, residing at York, in the county of York and State of Pennsylvania, did invent new and useful Improvements in Cord-Clamps, of which the following is a specification.

The invention relates to an improvement in rope-clamps designed primarily for securing the sash-cords to the sash-stiles.

The main object of the present invention is the production of a clamp designed for removable connection with the sash-stile and adapted when in operative position to securely fix the sash-cord relative to the sash, the construction permitting the ready separation of the parts to disengage the rope and the convenient removal of the clamp as a whole form the stile.

The invention will be described in the following specification, reference being had particularly to the accompanying drawings, in which—

Figure 1 is a longitudinal section of a portion of a window-stile, illustrating the application of the improved clamp thereto. Fig. 2 is a front elevation of the same. Fig. 3 is a perspective detail of the clamp proper, the parts being shown separated. Fig. 4 is an end elevation of a modified form of barrel.

Referring to the drawings, the improved cord-clamp comprises a barrel 1 and a lever 2, arranged for pivotal and removable connection with the barrel. The barrel, which is cylindrical in sectional view, is formed with a diametrically-arranged channel 3, herein-after termed the "rope-channel," which opens through the upper end of the barrel and terminates above the lower end thereof in a rounded wall 4, forming the rope-seat. Horizontally-arranged grooves 5 are formed in transverse alinement in the respective side walls of the channel 3, said grooves being arranged near the upper end of the channel and opening through the rearedge of the channel-walls, the forward ends of the grooves terminating about centrally of the channel-walls.

The lever 2 comprises a handle portion 6, which may be of the length desired and which is approximately of a width equal to the width of the channel 3. The rear end of the handle is provided with an approximately

V-shaped cam 7, offset from the plane of the handle, the apex of the cam being slightly rounded, as at 8, and forming the rope-gripping edge. The extreme rear end of the lever is formed with oppositely-disposed trunnions or bearing-studs 9, of a size to fit within the groove 5 of the barrel, whereby to provide the removable pivotal support for the lever.

It is to be understood that the improved rope-clamp above described is designed for application to the stiles 10 of the window-frame and that its application and proper use will not necessitate the slightest change in the stiles as ordinarily constructed. The usual cord connection for window-frames necessitates the formation of a knot in the end of the cord, which is secured in a circular depression 11, formed in the stile by any suitable fastening means, such as a nail or the like, the stile being further provided with a grooveway, 12 extending longitudinally of the stile and in communication with the depression 11 to receive the cord, all of which is of the usual standard construction.

The improved clamp is designed for application to this standard type of stile without the slightest change in the stile, the barrel 1 being arranged to fit snugly within the depression 11, while the handle portion 6 of the cam-lever fits within the grooveway 12.

In use the sash-cord 13 is passed through the channel 3 in the barrel below the lever, it being understood that the lever has been previously connected with the barrel and turned so as to elevate the operating-point 8. After insertion of the cord the lever is turned down to cause the point 8 to bite into the cord and securely clamp the same between said lever and the wall 4 of the channel. The device may be inserted in the depression 11 either after the clamping of the cord therein or after the insertion of the cord in the barrel-channel and previous to the clamping operation of the lever.

It will be noted that the grooves 5 open toward the rear of the barrel and that when said barrel is in place in the depression 11 the wall of said depression closes the ends of said grooves, thereby preventing the accidental displacement of the lever.

The free or forward end of the handle 6 of the lever rests upon the sash-cord in the grooveway 12, so that a lateral pull upon

said cord will elevate the free end of the lever relative to the barrel, and thereby disconnect said lever from the cord, permitting the ready separation of the cord in a convenient
 5 and expeditious manner. The relative size of the parts is such that the vertical extent of the barrel is approximately equal to the depth of the depression 11, while the thickness of the lever is such as to avoid projection
 10 above the barrel or grooveway 12 when the parts are in operative position.

If desired, the grooveway 12 may be extended beyond the depression 11, as at 14, whereby to permit the end of the sash-cord
 15 to be passed wholly through the barrel and seated in said extension, whereby the cord itself will to some degree tend to prevent accidental disconnection of the barrel and stile.

20 In Fig. 4 is illustrated a slightly-modified form in that the side walls of the channel 3 near their upper free edges are inclined slightly outwardly and upwardly, the coacting portion of the lever being arranged to slightly spread these walls in forcing the lever to clamping position. As the barrel fits snugly within the depression 11 within the stile, the slight spreading of the walls incident to this construction provides
 25 for clamping the barrel within the depression whereby to prevent possibility of accidental separation.

The salient features of the present invention are a rope-clamp, constructed of but
 35 two parts, each of which may be made at a single operation, a rope-clamp particularly designed and adapted for coöperation with the standard window-stile, requiring absolutely no variation or change in the ordinary
 40 form of stile, and a rope-clamp which may be readily operated to release the rope by a slight lateral pull on the rope, whereby to

provide for shortening or lengthening the rope or its replacement by a new rope with the minimum loss of time and labor. 45

Having thus described the invention, what is claimed as new is—

1. A cord-clamp comprising a cord-receiving member designed for coöperation with a window-stile, and means for clamping the
 50 sash-cord in said member, said means being arranged to be disengaged from the cord by a pull on the cord in a direction approximately parallel to the face of the stile.

2. A cord-clamp designed for coöperation
 55 with a window-stile, and a lever arranged to clamp the cord therein, said lever overlying the cord beyond the clamp, whereby the lever is moved to inoperative position by a pull on the cord in a direction approximately parallel
 60 to the face of the stile.

3. A sash-cord clamp comprising a barrel adapted to fit within the usual depression in the sash-stile and formed with a rope-receiving channel, and a lever removably and piv-
 65 otally connected to the barrel and operative to clamp the sash-cord within the channel.

4. A sash-cord clamp comprising a barrel formed with a cord-channel, the walls of the channel being formed with transversely-
 70 aligned horizontally-extending grooves, and a lever provided with a cam end and with bearing-studs to fit in said grooves, the cam end of the lever coöperating with the base of the cord-channel. 75

In testimony whereof I affix my signature in the presence of two witnesses.

ELLEN E. HAMME,
Administratrix for the estate of Levi W. Strasbaugh, deceased.

Witnesses:

SADIE I. STRASBAUGH,
 JAMES A. HUTCHINSON.