(No Model.)

A. L. PITNEY.

ROPE OR LINE CLASP.

No. 295,803. Patented Mar. 25, 1884.

Fig. 1.

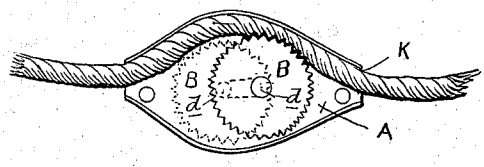


Fig. 2.

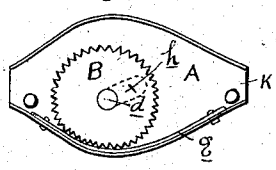


Fig. 7.

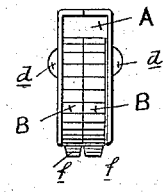


Fig. 4.

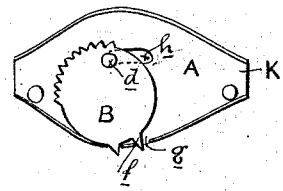


Fig. 3.

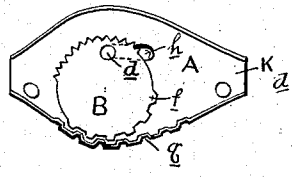


Fig. 8.

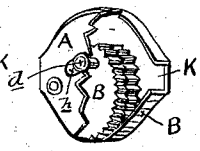


Fig. 5.

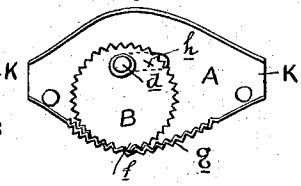
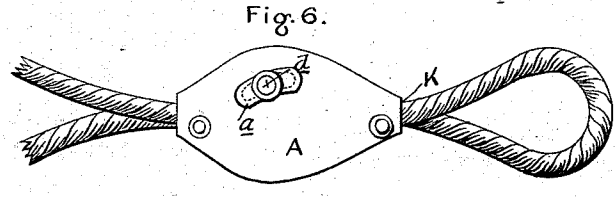


Fig. 6.



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UNITED STATES PATENT OFFICE.

ALBERT L. PITNEY, OF WASHINGTON, DISTRICT OF COLUMBIA.

ROPE OR LINE CLASP.

SPECIFICATION forming part of Letters Patent No. 295,803, dated March 25, 1884.

Application filed February 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALBERT L. PITNEY, of Washington, District of Columbia, have invented a certain Improvement in Rope or Line Clasps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which like letters refer to like parts in the device.

Figure 1 is an inside view of one-half or of one side of my improved clasp in its simplest form, with the rope or cord in position securely fastened. The dotted lines show the position of the roller before the cord is fastened. Fig. 2 is also an inside view of the clasp, but without the cord, and with a strip of Babbitt or other soft metal fastened to the case beneath the roller, for the purpose of having the teeth of the roller press thereupon, so as to prevent the roller from slipping when a strain is put upon the cord. Figs. 3, 4, and 5 represent other means for preventing the roller from slipping when a strain is upon the cord. Fig. 6 is a view of the complete clasp with the rope in position, showing the lug for releasing the cord and the slide for covering the slot in the case. Fig. 7 is a view of an end section of the case with the rollers in position. Fig. 8 is a perspective view of the clasp, partly in section, showing the inside of the case with the rollers in position.

My invention consists in a case in two parts, with a roller (or rollers) that by a strain upon the rope or cord is made to move toward one end of the case and press the cord tightly and securely bind it, and means, hereinafter described and claimed, for preventing the rollers from slipping, for the purpose intended. This improvement may be constructed in a variety of ways, some of which are represented by the figures in the drawings, without involving any difference in principle.

In order that others skilled in the art or manufacture may fully understand said invention, I will particularly describe the same, reference being had to the said drawings, wherein—

A represents a metallic case, approximately egg-shaped, that has been flattened or pressed partly together, in order to receive the roller (or rollers) B, which is intended to operate with the case in binding the cord. Said case, in its outward contour, as shown in the drawings, is larger at one end than at the other, for the purpose of allowing the roller to be drawn back by the lug *d*, which moves in the slot *h* in the side of case, so as to permit the insertion or withdrawal of the cord. The case at each end is narrowed, so that there is just enough space to allow the cords to pass through. This is for the purpose of carrying the cord out of a direct line, so that there will always be a bearing upon the face of the rollers. By this means a pull upon the cord always moves the rollers in the direction of the strain. In this instance, when the device is in use, the pull upon the cord is toward the upper end, K, thereby binding the cord until released by moving the lugs *d d* toward the opposite end of the case. The roller (or rollers) is provided with a serrated edge or bearing-face for the purpose of always engaging the cord between itself and the case, and not allowing the cord to slip when a strain is put upon it. Said roller may also be provided with a projection, *f*, or any substitute therefor, as shown in Figs. 2, 3, 4, and 5, for the purpose of engaging with *g* in one edge of the case A, in order to have a bearing or rest that will prevent said roller from slipping. The case, as shown in Fig. 2, may be provided with a thin strip of Babbitt or other soft metal, *g*, for the purpose of allowing the serrations on the face of the roller to press against, so as to prevent the same from slipping when a strain is put upon the cord. The roller B is also provided with a lug, *d*, that moves in the slot *h* in the case, and is intended to be used in releasing the said roller from its bearing upon the cord. The case also has slides for covering the slots in the sides of the case.

In order to open the clasp or bag, take the lugs *d d* with the thumb and forefinger of the right hand and pull toward you, when the clasp will move down or along the cord. To close the clasp or bag, move the clasp (without reference to the lugs *d d*) along the cord and press the same against the bag, holding the outer part of the cord in the left hand.

Having described my invention, what I claim

as new, and wish to secure by Letters Patent, is as follows:

1. In a cord-fastener, the combination of a case having perforations in one of its edges, with serrated roller or rollers provided with teeth or projections that enter the said perforations, whereby the rollers are prevented from slipping, all substantially as shown and described.

2. In a cord-fastener, the combination of a case having slots, and slides for covering the same upon each side, and means, substantially as described, for preventing the roller or rollers from slipping, with serrated roller or rollers, having lugs projecting from their sides, whereby the said rollers are withdrawn and the cord released, substantially as described.

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Witnesses:
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