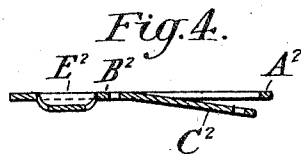
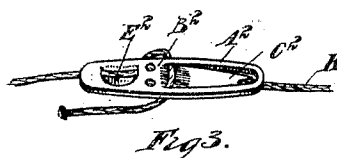
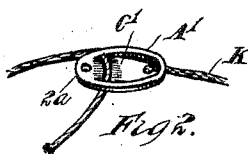
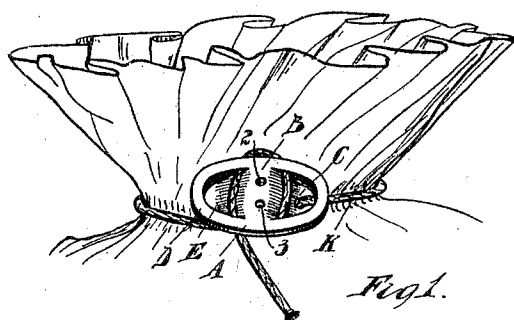


No. 811,381.

PATENTED JAN. 30, 1906.

E. M. COMSTOCK.
CORD FASTENER.

APPLICATION FILED FEB. 1, 1904.



WITNESSES
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EDGAR M. COMSTOCK, OF YPSILANTI, MICHIGAN.

CORD-FASTENER.

No. 811,381.

Specification of Letters Patent.

Patented Jan. 30, 1906.

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To all whom it may concern:

Be it known that I, EDGAR M. COMSTOCK, a citizen of the United States, residing at Ypsilanti, county of Washtenaw, State of Michigan, have invented a certain new and useful Improvement in Cord-Fasteners; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to cord-fasteners, and has for its object an improved clamping device adapted to be attached to one end of a cord and provided with means for securing another end of the same cord after the cord has been wrapped around an article. It may be used for bag-ties or package-ties or for securing the end of a string, especially if the bend of the string is around an article around which the string may be drawn tightly.

In the drawings, Figure 1 shows the device secured to the end of a string and fastening a cord that has been drawn around the gathered neck of a bag. Fig. 2 shows a device having a second or belaying tongue. Fig. 3 shows a device similar to that of Fig. 2 with the belaying-tongue points turned in a direction different to the corresponding point shown in Fig. 2. Fig. 4 is a sectional view of the device as shown in Fig. 3.

The device comprises, primarily, a resilient elliptical frame provided with a tongue that nearly fills the opening of the ring and having means for attaching a string to the end of the tongue. The device may be provided with means for securing it to a bag or similar article; but this is not essential to its working as a string-fastener.

A in Fig. 1 indicates an elliptical frame having a cross-bar B, from which projects a tongue C. The tongue C is provided at its free end with a perforation in which is secured a cord K. The device is placed against a bag or other article around which the string is to be bent, with the string lying under the curved part A of the frame, and the cord extending from the end of the tongue is passed around the article to be tied and drawn under the curved part A and over the tongue C, which position it easily takes by drawing the free end of the cord against that part of the cord which is next adjacent to the tongue and drawing it tightly into the opening between the tongue and the frame. In

the form shown in Fig. 1 the frame A extends beyond the cross-bar B in a second curved part D, and a second tongue E projects from the cross-bar B toward the curved part D of the frame, and the end of the cord is made more secure by drawing it under the curved part D and over the tongue E. The device is made of spring metal of sufficient rigidity to enable the cord to be drawn to its holding position without giving to the metal a permanent set or bend, but utilizing the spring characteristics of the metal to cause it to clamp the cord, and the more tightly the cord is drawn the more closely is the end of the tongue C drawn to the curved part of the frame A and the more tightly is the cord held.

The device may be secured to the bag by thread, and holes 2 and 3 are made in the cross-bar B to enable it to be sewed to the article with which it is to be used.

In the form shown in Fig. 2 there is a single curved part A' of the frame, a single tongue C', and the cross-bar is provided in this case with a single perforation 2^a for the securing-threads.

In the form shown in Figs. 3 and 4 there is a single curved part A² of the frame, a single tongue C², and an extension behind the cross-bar B², in which there is a belaying-tongue E², the free end of which is turned toward one side of the extension instead of being turned toward the rear. The action of the cord with respect to it is the same as the action of the cord in the device shown in Fig. 1.

What I claim is—

1. A device for securing the end of a cord comprising a resilient elliptical frame provided with a cross-bar, a portion of said elliptical frame being opposite thereto, a tongue extending from said cross-bar toward said opposite portion of the frame, and similarly resilient with respect thereto said tongue being provided at its free end with means for attaching a cord thereto, and a belaying-tongue secured to said frame, substantially as described.

2. A device for securing the end of a cord comprising a resilient elliptical frame having a cross-bar, a portion of the curved part of the frame being opposite the cross-bar, a resilient tongue projecting from one side of said cross-bar toward the curved portion of the frame opposite thereto, said resilient tongue being provided at its free end with means whereby a cord may be attached thereto, and a tongue projecting from the

other side of said cross-bar and at an angle to the plane of the cross-bar and frame, adapted to clamp a cord interposed therebetween and said frame, substantially as described.

- 5 3. A device for securing the end of a cord, comprising a resilient elliptical frame having a cross-bar and spring-tongues projecting from each side of each cross-bar toward that portion of the elliptical frame opposite there-
10 to, one of said tongues having at its free end means for attaching a cord thereto, and the other of said tongues being adapted to clamp and hold against the frame a portion of the cord interposed therebetween, substantially
15 as described.

4. In a cord-fastener, the combination of a

resilient elliptical frame and a tongue part connected and integral with a portion of said frame, the free end of said tongue part extending across said frame and toward the op- 20
posite portion thereof to that with which it is connected, and being resilient with respect to said frame, there being at the free end of said tongue part means whereby a cord may be
25 attached thereto, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

EDGAR M. COMSTOCK.

Witnesses:

EMILIE COMSTOCK,
JOHN P. KIRK.