

C. A. CONRARD.
FASTENER.

APPLICATION FILED AUG. 15, 1907. RENEWED JULY 21, 1909.

941,977.

Patented Nov. 30, 1909.

Fig. 1.

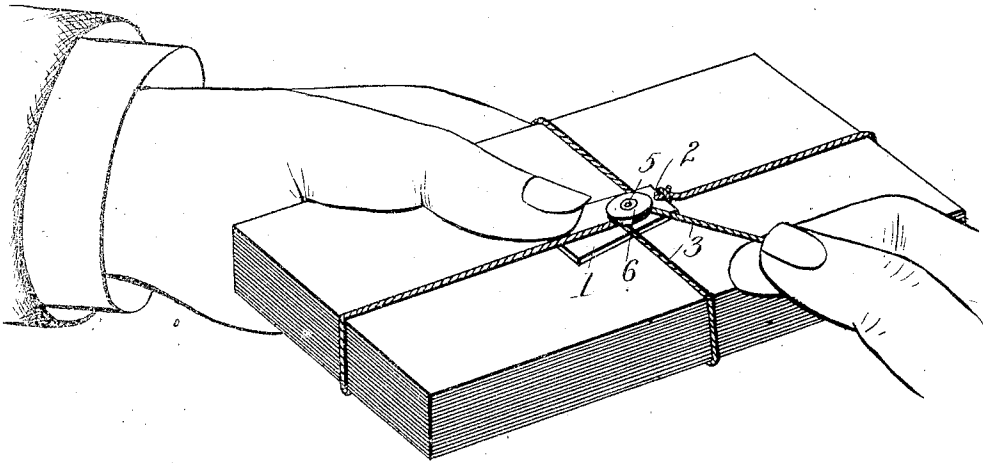


Fig. 2.

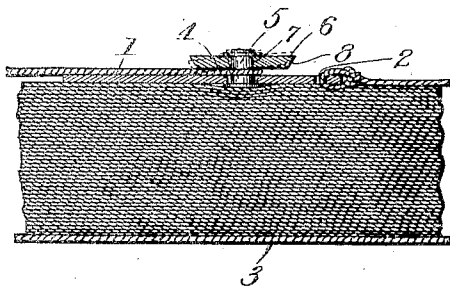


Fig. 3.

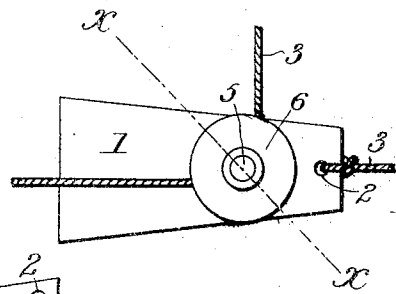
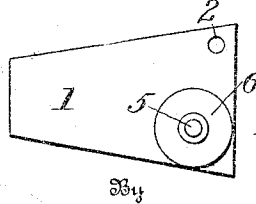


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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FASTENER.

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To all whom it may concern:

Be it known that I, CHARLES A. CONRAD, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Fasteners, of which the following is a description, reference being had to the accompanying drawing, and to the characters of reference marked thereon.

My invention relates to fasteners wherein it is desired to secure a cord or the like temporarily, and while said fastener may be used for various purposes, it is especially adapted for securing packages such as packages of mail.

The object of my invention is to provide a reliable means for fastening the end of a cord or the like, without tying a knot and which may be released without injury to the cord, whereby the same may be used over again.

The invention is an improvement upon the fastener shown and described in my co-pending application Serial Number 376,957, filed June 3, 1907.

The invention consists in the parts and arrangements hereinafter shown, described and set forth in the claims.

In the drawings which show by way of illustration one embodiment of my invention: Figure 1 is a perspective view showing a package having my fastener applied thereto. Fig. 2 is a sectional view through the package and the fastener, with the cord passed once through the fastener, and showing the upper plate tilted relative to the lower plate. Fig. 3 is a top plan view of the fastener with the cord passed once there-through. Fig. 4 shows a modified form of lower plate.

My improved fastener comprises a lower plate 1, which may be of any desired shape and which is provided with an opening 2 therein, in which is secured a cord 3. The plate 1 is also provided with an opening 4, through which extends a headed rivet 5. The shank of the rivet 5 as shown in Fig. 2 is slightly smaller than the opening 4 in the plate 1.

The upper plate 6 is provided with an opening 7 and the rivet 5 passes through the opening 7 in the plate 6. The opening 7 is preferably of such size as to tightly grasp the shank of the rivet. The rivet is provided at one end with the usual head which engages the outer face of one of said plates

and the other end of the rivet is secured in the usual way by a washer or the like, which engages the outer face of the other plate. The distance between the two heads of the rivet is such that the upper and lower plates may be spaced from each other. The parts are preferably so proportioned that when the lower plate is placed upon the package as shown in Fig. 2, and the rivet head thus brought in contact with the outer face of the lower plate, the upper plate which is rigidly secured to the rivet is raised from the lower plate a distance so that the fastening cord may be readily inserted between said plates. In order to facilitate the insertion of the cord between said plates, I have provided the upper plate with a beveled edge 8.

The plate 1 has the opening 4 so located therein that said plate extends some distance beyond the outer edge of the upper plate 6. As shown in Fig. 3, the plate 1 extends to the opposite side of the opening 4 from the point where the cord 3 is secured. The purpose of this extension of the plate 1 is to form a finger piece whereby the plate may be grasped and held in position on the package while the cord is being secured thereto as clearly shown in Fig. 1 of the drawing.

Instead of extending the plate at the opposite side of the point of attachment of the upper plate from the point where the cord is secured to said plate, I may extend the plate to one side, as shown in Fig. 4, or said plate may be extended in any other direction or made of any other shape, the essential feature being that a portion of said plate shall extend beyond the outer edge of the upper plate so that the same may be grasped and held by the finger.

In the operation of my device, in wrapping a package such as shown in Fig. 1, the plate is placed upon a package and as the rivet head comes in contact with the package, the same will be brought into contact with the under surface of the lower plate and the upper plate which is rigidly connected to the rivet will be raised from the lower plate. The thumb of the operator is placed upon the extension of the lower plate and thereby the lower plate may be firmly held in the position desired on said package. The cord is now carried around the package lengthwise of said package as shown in Fig. 1 and inserted between said plates. The plates which are spaced at this time readily allow the insertion of the cord there-between

and the beveled edge of the upper plate also assists in properly inserting the cord. The cord is now positioned as shown in Fig. 3 and the plate will tilt slightly as shown at 5 $x-x$ in said figure, allowing the cord to move freely between the two plates. The cord is then brought about the package in a direction at right angles to the first winding of the cord and said cord is again brought 10 between the upper and lower plates as shown in Fig. 1. A pull upon the cord will now lock said cord to the fastening device. If desired, the cord may be wound again between the plates insuring a still firmer locking 15 of the cord to the fastening device.

While I have shown the opening in the lower plate as circular in form, it is obvious that said opening may be of any other desired form.

20 Having thus particularly described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A fastener including a lower plate, an

upper plate, a rivet passing through said upper and lower plates, said rivet fitting 25 closely the opening in the upper plate and fitting loosely the opening in the lower plate, whereby said upper plate may be tilted relatively to the lower plate and moved away from the same a limited distance. 30

2. A fastener including a lower plate, an upper plate, and a rivet passing through said upper and lower plates, said rivet fitting loosely the opening in the lower plate, whereby said upper plate may be tilted rela- 35 tively to the lower plate, and said lower plate being provided with an extending portion which may be grasped to hold the fastener while tying a package.

In testimony whereof I affix my signature, 40 in presence of two witnesses.

CHARLES A. CONRARD.

Witnesses:

EUGENE G. MASON,
MARY W. HAMMER.