

E. L. LOUDON.  
PACKAGE TIE.  
APPLICATION FILED MAY 15, 1915.

1,175,781.

Patented Mar. 14, 1916.

Fig. 1.

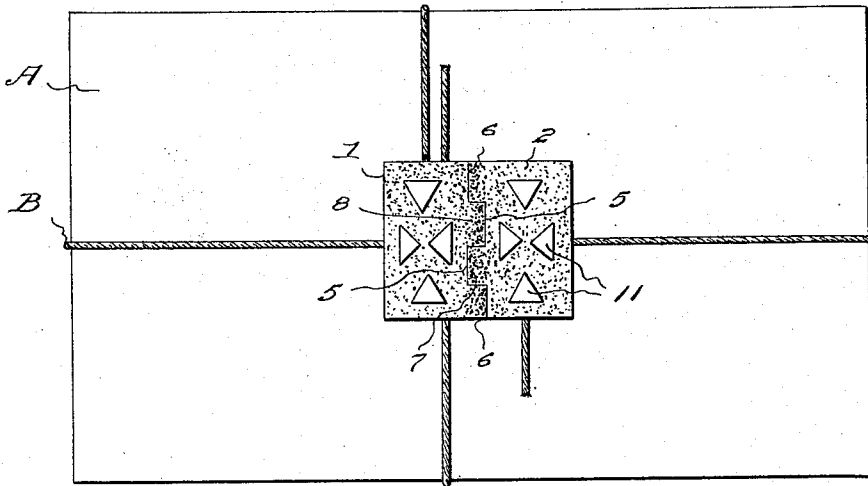
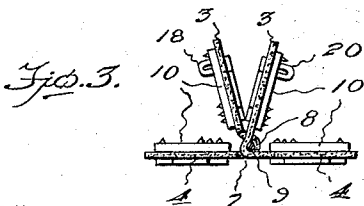
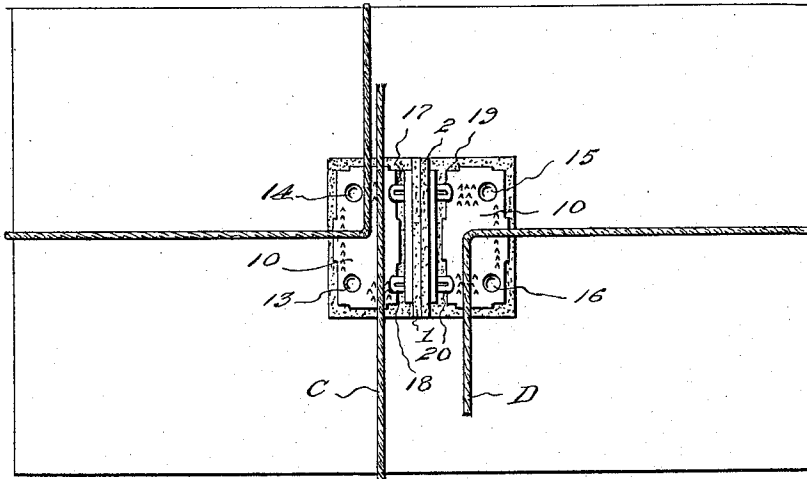


Fig. 2.



Witnesses

*W. H. Hunt.*  
*James J. Donagan.*

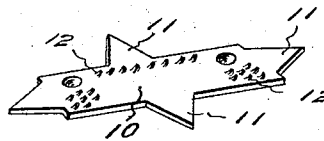


Fig. 4.

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# UNITED STATES PATENT OFFICE.

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## PACKAGE-TIE.

1,175,781.

Specification of Letters Patent.

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Application filed May 15, 1915. Serial No. 28,422.

*To all whom it may concern:*

Be it known that I, EUNICE L. LOUDON, a citizen of the United States, residing at Crowley, in the parish of Acadia and State of Louisiana, have invented certain new and useful Improvements in Package-Ties; and I do hereby 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 appertains to make and use the same.

The general object of this invention is to admit of the tying operation of a package being more expeditiously performed, and the package tied in such a manner that accidental disengagement of the tying cord or rope, from the package, will be prevented; and to this end the invention consists, broadly, in the provision of companion members, hingedly connected to each other, and each member comprising a pair of companion clamping sections, said sections having their clamping surfaces provided with cord engaging spurs, and fastening means carried by the sections forming each pair for holding the sections against accidental movement to inoperative position, when in cord clamping position.

With the above and other objects in view as will more fully appear from that embodiment of my invention, of which the following is a specification, reference being had to the accompanying drawing forming a part thereof, in which:

Figure 1 is a top plan view of a package, showing the package tie applied thereto, Fig. 2 is a view of a package tie with the companion clamping sections of each pair separated, so as to show the manner in which the cord is positioned between the sections, Fig. 3 is an end view of the package tie removed, from the package and showing the companion clamping sections of the members moved to unclamping position, and Fig. 4 is a perspective view of a plate removed from one of the clamping sections.

Referring to the drawings, the letter A designates, for conventional purposes, a rectangular shaped package, which is adapted to be tied or sealed by means of cord B. The device for holding the cord in tying position, includes a pair of clamping members 1 and 2, each member is formed of a substantially rectangular piece of leather, which is medially bent upon itself to provide a pair of companion clamping sections

3 and 4. Each of the members 1 and 2 is provided at its point of bend with cutout portions 5 and 6, so as to provide knuckles 7 and 8, the knuckles 7 on one clamping member being adapted to be received by the cutout portions 5 and 6 on the other clamping member, as shown in Fig. 1, so as to provide a hinged connection between the clamping members 1 and 2, a suitable pintle 9 being extended through the knuckles so as to hold the said members together.

The inner face of each of the clamping sections 3 and 4 is provided with a substantially rectangular metallic plate 10, and the opposite ends and sides of each plate 10 are provided with attaching tongues 11, which are adapted to be bent at right angles to said plates and extended through the adjacent leather sections, so as to hold the plates in position; and the outer surface of each plate is provided with a plurality of cord engaging spurs 12.

The plates 10 on the clamping sections 4 of the members 1 and 2, are provided with sockets. The sockets on the section 4 of the clamping member 1 are designated at 13 and 14 and located adjacent the opposite ends of the section 4, and the sockets on the section 4 of the member 2, are shown by the numerals 15 and 16, and are located adjacent the opposite ends of the respective section 4 of the member 2.

The plate 10 on the sections 3 of the members 1 and 2 are each provided with resilient split studs. The studs on the section 3 of the member 1 are designated by the numerals 17 and 18, and the studs on the section 3 of the member 2 are designated by the numerals 19 and 20. When the sections 3—3 are folded to closed or clamping position, as shown in Fig. 1, the sockets on the respective sections 4—4 receive the studs on the respective section 3—3 so as to hold the companion clamping sections of the members 1 and 2 in clamping position.

Referring to Fig. 2 of the drawings, it will be seen, that in use one end of the cord designated C, is extended entirely across the plate 10 carried by the section 4 of the clamping member 1, and adapted to engage with certain of the adjacent spurs. The cord is then passed transversely around the package and again extended over the said section 4 of the member 1 for substantially half the length of the section 4, of the member 1, and further anchored by the adjacent

spur 12. The companion section 3 of the member 1, is then folded on the adjacent section 4 and the studs on the section 3 are received by the sockets on said section 4. The cord is then extended at right angles to the clamping section and passed longitudinally around the package and has its opposite end brought over the clamping section 4 of the member 2 and engage in certain of the spurs on the section 4, and then terminally extended at right angles, as at D, and further anchored by the adjacent spur. The section 3 of the member 2 is then folded on the companion section 4, so as the studs on the section 3 will be received by the sockets on the section 4 of the member 2.

From the foregoing, it will be seen that I have provided a package tie, which will be cheap to manufacture, and will admit of the tying operation being more expeditiously performed, and the opposite ends of the cord positively anchored so as to prevent accidental displacement of the cord from the package.

Having thus described my invention, what I claim as new is:—

1. A device of the class described comprising, companion hinged connected members, each member including a pair of companion clamping sections, and means carried by the sections forming each pair for preventing accidental unclamping of the sections, when in clamping position.

2. A device of the class described com-

prising, companion hingedly connected members, each member including a pair of companion clamping sections, means carried by the sections forming each pair for preventing accidental unclamping of the sections when in clamping position, one clamping section of each pair having cord engaging spurs thereon.

3. A device of the class described comprising, hingedly connected flexible members, each member being bent upon itself to provide a pair of companion cord clamping sections, one companion section of each pair having sockets thereon, and the other companion sections having resilient studs thereon, said studs being adapted to be received by the sockets when the companion sections are in clamping position.

4. A device of the class described comprising, hingedly connected flexible members, each member being bent upon itself to provide a pair of companion cord clamping sections, plates carried by the sections forming each pair, and provided with cord engaging spurs, and means for holding the sections forming each pair from being accidentally unclamped, when in a clamping position.

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

Mrs. EUNICE L. LOUDON.

Witnesses:

G. D. KLEINPETER,  
B. N. SWEENEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."