

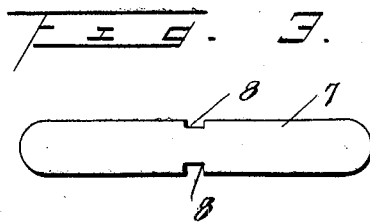
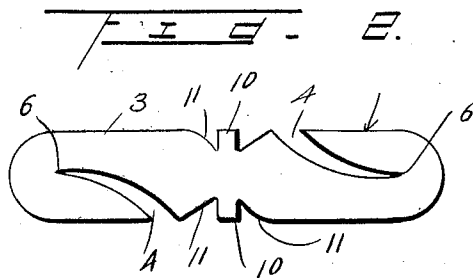
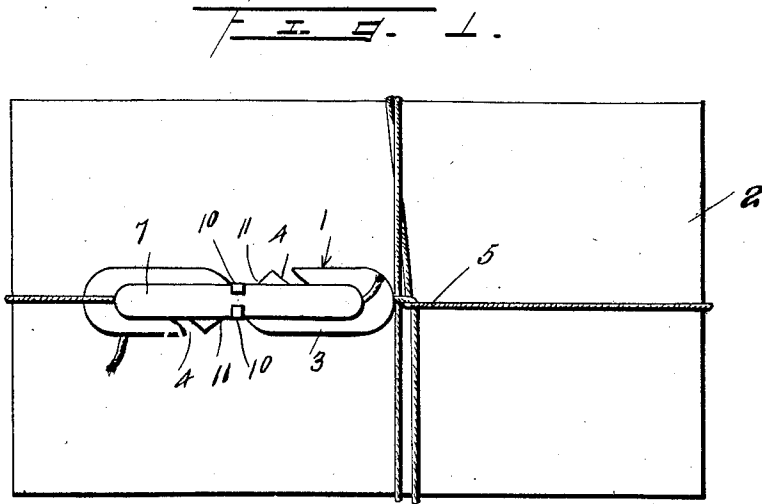
L. H. CONNELLY.

PACKAGE TIE.


APPLICATION FILED JAN. 30, 1919.

1,322,410.

Patented Nov. 18, 1919.



Inventor
L. H. Connelly.

By  Attorney

UNITED STATES PATENT OFFICE.

LYMAN H. CONNELLY, OF OSIERFIELD, GEORGIA.

PACKAGE-TIE.

1,322,410.

Specification of Letters Patent.

Patented Nov. 18, 1919.

Application filed January 30, 1919. Serial No. 274,012.

To all whom it may concern:

Be it known that I, LYMAN H. CONNELLY, a citizen of the United States, residing at Osierfield, in the county of Irwin and State of Georgia, 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.

This invention relates to package ties and the primary object of the invention is to provide an improved device for quickly and effectively tying packages, or the like, which can be used an indefinite number of times.

Another object of the invention is to provide an improved package tie, which will lie substantially flat on the surface of a package and which will positively hold the terminals of the binding cord against displacement.

A further object of the invention is to provide an improved package tie of the above character, which is durable and efficient in use, one that is simple and easy to manufacture and one that can be placed upon the market at a reasonable cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawings, forming a part thereof, in which:

Figure 1 is a plan view of the improved package tie, showing the same in use.

Fig. 2 is a plan view of the package tie showing the spring for engaging the terminals of the binding cord removed.

Fig. 3 is a plan view of the spring.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the numeral 1 generally indicates the improved package tie, which is adapted to be applied to a package or bundle of letters 2.

The package tie 1 includes a base plate 3 formed from a substantially flat rectangular piece of sheet metal having the terminals thereof preferably rounded so as to eliminate sharp cutting edges on the plate. The opposite side edges of the base plate 1 are each provided with an inwardly extending and

outwardly directed arcuate slots 4 for receiving the terminals of the binding cord 5. The slots 4 are gradually tapered toward their inner ends, as at 6, so as to provide means for wedging the terminals of the binding cord 5 in position. The walls of the slots at the entrances thereof diverge from each other so as to provide a flared throat which facilitates the positioning of a cord in the slots. The entrances to the slots are each located on opposite sides of the transverse axis of the plate and the inner ends of the slots terminate at the longitudinal axis of the plate.

A resilient leaf spring 7 is secured to the central portion of plate 3 and extends longitudinally of the plate and the terminals of this spring 7 overlie the inner ends of the restricted portions of the slots 4 and form additional means for engaging the terminals of the cord to hold the same against displacement. The side edges of this spring 7 at the central portion thereof are provided with notches 8, which receive the ears 10, which are formed integrally with the side edges of the base plate 3. The ears 10 are bent over the upper surface of the leaf spring 7 so as to hold the same against displacement. The side edges of the base plate 3 at the central portion thereof are preferably cut inwardly to provide a reduced portion 11, which forms means whereby the package tie may be readily grasped. This reduced portion also forms means whereby the cord may be wound around the plate when not in use, and for also receiving the binding cord, when the same is wound transversely around a package, which is to be tied.

In practice, the package tie 1 is laid upon the upper surface of a package to be tied and one terminal of the binding cord is inserted in one of the slots 4 and drawn to the inner end thereof, and under one end of the leaf spring 10 which holds the same against displacement. The cord is then wrapped transversely around the package and then longitudinally around the package and the free end is inserted in the opposite slot 4 and drawn to the restricted end thereof and under the opposite end of the leaf spring 10, which holds the same against displacement.

From the foregoing description it can be seen that an improved package tie is provided, which is exceedingly simple and durable and efficient, which will effectually hold

the terminals of the binding cord against displacement and allow the cord to be used a large number of times.

In practice, I have found that the form of my invention illustrated in the accompanying drawings and referred to in the above description, as the preferred embodiment, is the most efficient and practical; yet realizing the conditions concurrent with the adoption of my device will necessarily vary, I desire to emphasize that various minor changes in details of construction, proportion and arrangement of parts may be resorted to, when required without sacrificing any of the advantages of my invention as set forth.

What I claim as new is:

1. A package tie comprising a substantial rectangular base plate having oppositely directed inwardly extending arcuate tapered slots formed therein, a leaf spring secured at the central portion thereof to the upper

surface of the base plate, the free terminals of the spring overlying the restricted ends of the slots, as and for the purpose specified. 25

2. A package tie comprising a base plate formed from a single sheet of material having oppositely directed inwardly extending tapered slots formed in the opposite side edges thereof, the central portion of said base plate having upwardly extending tongues formed thereon, a leaf spring having slots formed in the opposite side edges thereof and arranged to receive said tongues to hold the spring in place against movement, the free terminals of said spring overlying the restricted ends of the slots, as and for the purpose specified. 30 35

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

LYMAN H. CONNELLY.

Witnesses:

J. J. JONES,

J. P. LANGFORD.