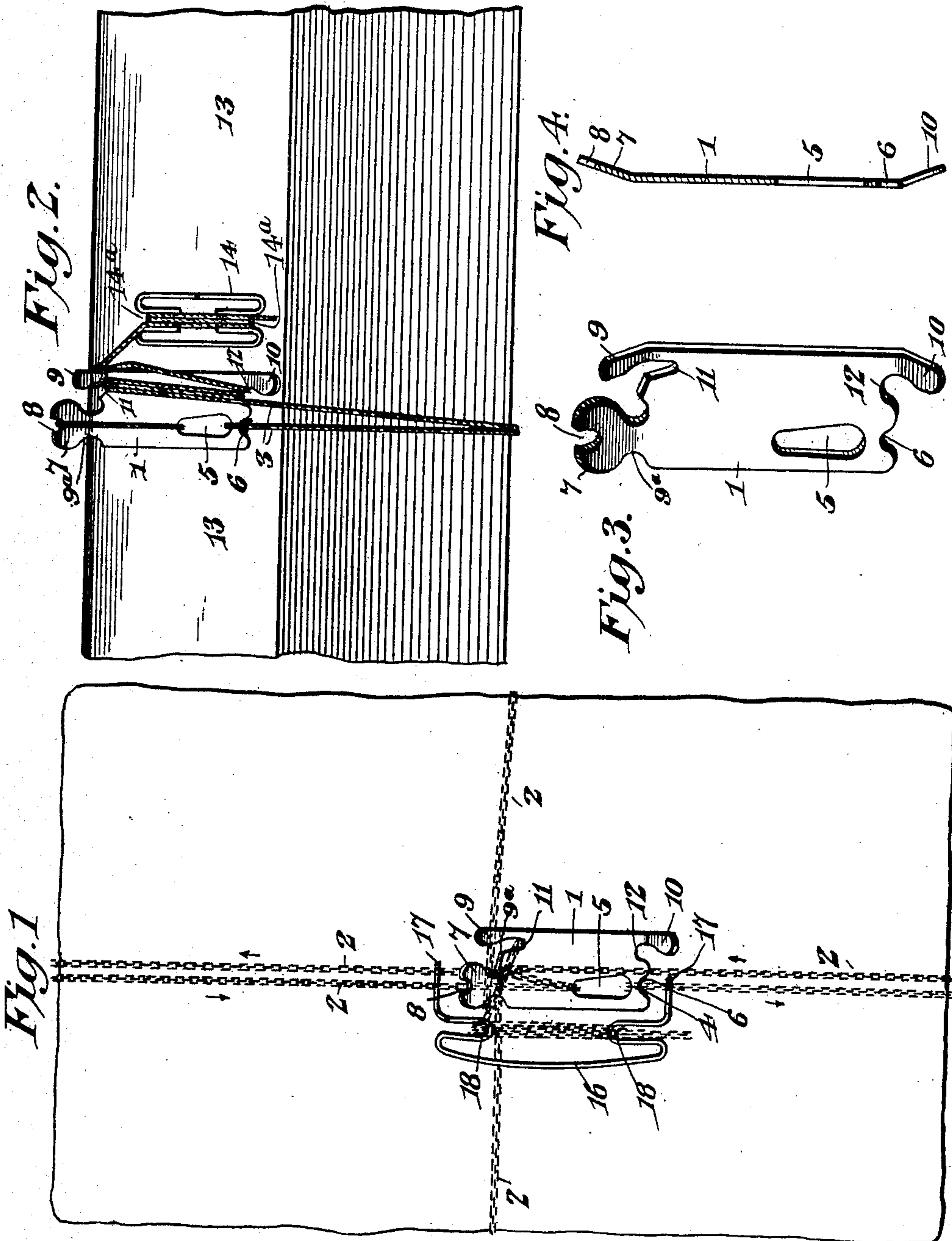


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PACKAGE TIE.

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PACKAGE-TIE.

No. 912,782.

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To all whom it may concern:

Be it known that I, HENRY BARRY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Package-Tie, of which the following is a specification.

The invention relates to improvements in package ties.

The object of the present invention is to improve the construction of package ties, and to provide a simple, inexpensive and efficient device of great strength and durability, designed particularly for use for mail carriers, and adapted to enable a package of letters, or the like to be quickly and firmly tied together.

A further object of the invention is to provide a package tie of this character, capable of being readily unfastened and adapted, when not in use, to occupy only a very small amount of space, so that one or more may be easily and conveniently carried.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a plan view of a package tie, constructed in accordance with this invention and shown applied to an oblong package. Fig. 2 is a similar view, showing the package tie applied to a package in the form of a roll. Fig. 3 is a detail perspective view of the plate. Fig. 4 is a longitudinal sectional view of the same.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

The package tie embodies a flat plate 1 and a binder, which may, as illustrated in Fig. 1 of the drawing, be in the form of a chain 2, or any other flexible connection, such as a cord 3 may be employed, as illustrated in Fig. 2 of the drawing. One end 4 of the chain is attached to one end of the plate 1, which is substantially oblong and provided adjacent to

the attached end of the chain with a substantially oval opening 5, extending longitudinally of the plate from a point near the center thereof to a point adjacent to the end to which the chain is attached. The chain may be conveniently attached to the plate by passing one end through the opening 5 and then engaging or linking the end link with one of the adjacent links of the chain. The plate, which is constructed of stout sheet metal, or any other suitable material, is provided at the end to which the chain is attached with a notch 6, spaced from the opening 5 and arranged to receive the attached portion of the chain. The notch reduces the metal of the plate at the point of attachment of the chain and enables the latter to be connected with the plate by a comparatively small loop, and the shoulders formed by the side walls of the notch 6 prevent the attached end of the chain from sliding transversely of the plate. The plate is provided at its other end with a substantially circular head 7, arranged at an obtuse angle to the body portion of the plate and provided at its outer end with a notch 8 and connected with the adjacent end of the plate by a reduced portion or neck 9^a. The notch 8 is adapted to receive the binder, as hereinafter explained, and the neck forms means for enabling the direction of the binder to be changed for passing the same transversely around the package after the binder has been arranged longitudinally of the same. The head 7 and the attached end of the chain are located adjacent to one of the side edges of the plate, and the latter is provided at its other side edge with terminal arms 9 and 10, set at an obtuse angle to the body portion of the plate, which is also provided adjacent to the arms 9 and 10 with recesses 11 and 12. The recesses 11 and 12, which are located at the opposite ends of the plate, cooperate with the terminal arms 9 and 10 to form a reel or portion around which the free end or unused portion of the binder may be wrapped, as illustrated in Fig. 2 of the drawing.

The free end of the chain is passed through the opening 5 to form a loop preparatory to applying the package tie to letters, or other objects to be tied together, and the letters or other objects are placed in the loop thus

formed, which preferably encircles the package in a longitudinal direction, as illustrated in Fig. 1, where the direction of the chain is indicated by arrows. The chain is then extended from the inner end of the opening 5 longitudinally of the plate to the inner side of the head 7, and the chain is then again passed around the package in the same direction as the said loop and is extended longitudinally of the plate to the inner side of the neck 9^a. It is then passed beneath the neck and around the package at right angles to the loop after which the free end of the chain is wrapped around the head and one of the links is then engaged with the notch or recess and is of sufficient width to permit any one of the links of the chain to be arranged edgewise within it, and as it is of a width less than the width of the links, it will prevent the chain from sliding through it.

When the loop, made by passing the chain through the opening 5, is drawn tight the plate sets at an angle to the contiguous face of the package, which is materially tightened through the formation of the second loop as the plate is forced downwardly against the package and is caused to exert a lever action in increasing the tension of the first loop. This tension may be further increased by running the binder from the inner end of the opening 5 to the notch 8 of the head 7, as illustrated in Fig. 2 of the drawing. The cord 3 is then passed around the roll 13 a second time and is secured by wrapping it around the cord-receiving portion, formed by the arms 9 and 10 and the recesses 11 and 12, as clearly shown in Fig. 2. A wire frame 14 may also be employed for holding the unused portion of the cord, when a binder of great length is desired. The cord holder 14, which is substantially oblong, is provided with inwardly bent end portions forming cord-receiving recesses 14^a. It is connected with the package by having the free end of the binder wrapped around it. Also the cord holder may be arranged in the form of a handle 16 for carrying the package. The handle 16, which is constructed of wire, is composed of end portions and a connecting grip portion. The end portions have terminal hooks 17 for engaging the binder and are provided between their ends with inward bends 18, forming recesses for the reception of the unused portion of the binder, which is wrapped around the handle.

The binder is effectually prevented from slipping on the plate when its free or unused end is wrapped around the cord-receiving portion of the plate, as illustrated in Fig. 2 of the drawing, and the arms 9 and 10 are of sufficient length to enable the binder to be secured by means of the well known half hitch. When, however, a chain is employed, the interlocking of the links with the recess 11 obviates the necessity of locking

the free or unused portion of the binder around the plate to prevent slipping.

The space between the opening 5 and the head is adapted to receive advertising matter, and the device may be manufactured at a sufficiently low cost to enable it to be advantageously employed as an advertising novelty.

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

1. A package tie comprising a binder, and a flat plate having one end of the binder attached to it and provided with an opening through which the binder is passed to form a package-receiving loop, and a head spaced from the opening and connected with the plate by a reduced portion or neck and set at an angle to the plate to enable the latter to operate as a lever.

2. A package tie comprising a binder, and a plate having one end of the binder attached to it and provided with an opening through which the binder is passed to form a package-receiving loop, and a head spaced from the opening and connected with the plate by a reduced portion or neck and provided with a notch arranged to receive the binder.

3. A package tie comprising a binder, and a plate having one end of the binder attached to it and provided adjacent to the same with an opening through which the binder is passed to form a package-receiving loop, said plate being also provided with opposite notches or recesses to receive the free or unused portion of the binder.

4. A package tie consisting of a chain, and a plate having one end of the chain attached to it and provided with an opening located adjacent to the attached end of the chain and adapted to receive the same to form a package-receiving loop, said plate being adapted to have the chain wrapped around it and provided at one of its outer edges with a notch arranged to receive one of the links of the chain, whereby the free end of the latter is interlocked with the plate.

5. A package tie comprising a binder, and a substantially oblong plate provided at one end with a longitudinal opening and having a head at the other end arranged in line with the opening, said plate being also provided at its ends with opposite notches adapted to receive the free or unused portion of the binder.

6. A package tie comprising a binder, and a substantially oblong plate provided at one end with a longitudinal opening and having a head at the other end arranged in line with the opening, said plate being also provided at its ends with opposite notches and having arms located adjacent to the notches.

7. A package tie comprising an oblong

plate provided at opposite ends with arms
and having notches adjacent to the same,
said plate being also provided at one end
with a longitudinal opening and having a
5 head located at its other end in line with the
said opening and provided with a notch.

In testimony, that I claim the foregoing

as my own, I have hereto affixed my signature in the presence of two witnesses.

HENRY BARRY.

Witnesses:

HARRY A. FLECK,
HARRY BURNS.