No. 735,874. PATENTED AUG. 11, 1903.

S. C. HERBERT.

PACKAGE TIE.

APPLICATION FILED SEPT. 11, 1902.

NO MODEL.

Fig. 1

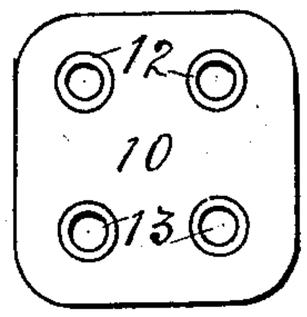


Fig. 2

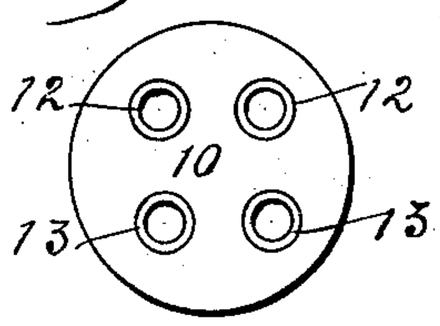


Fig. 3

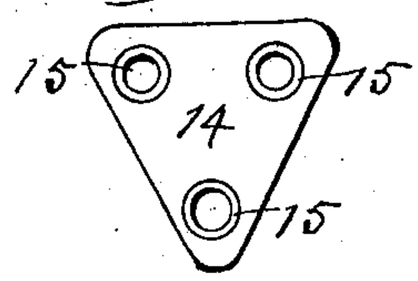


Fig 4

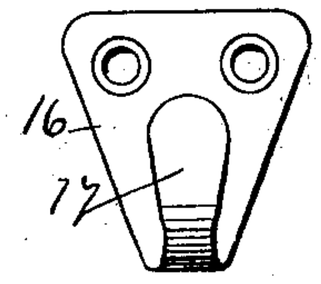


Fig. 5

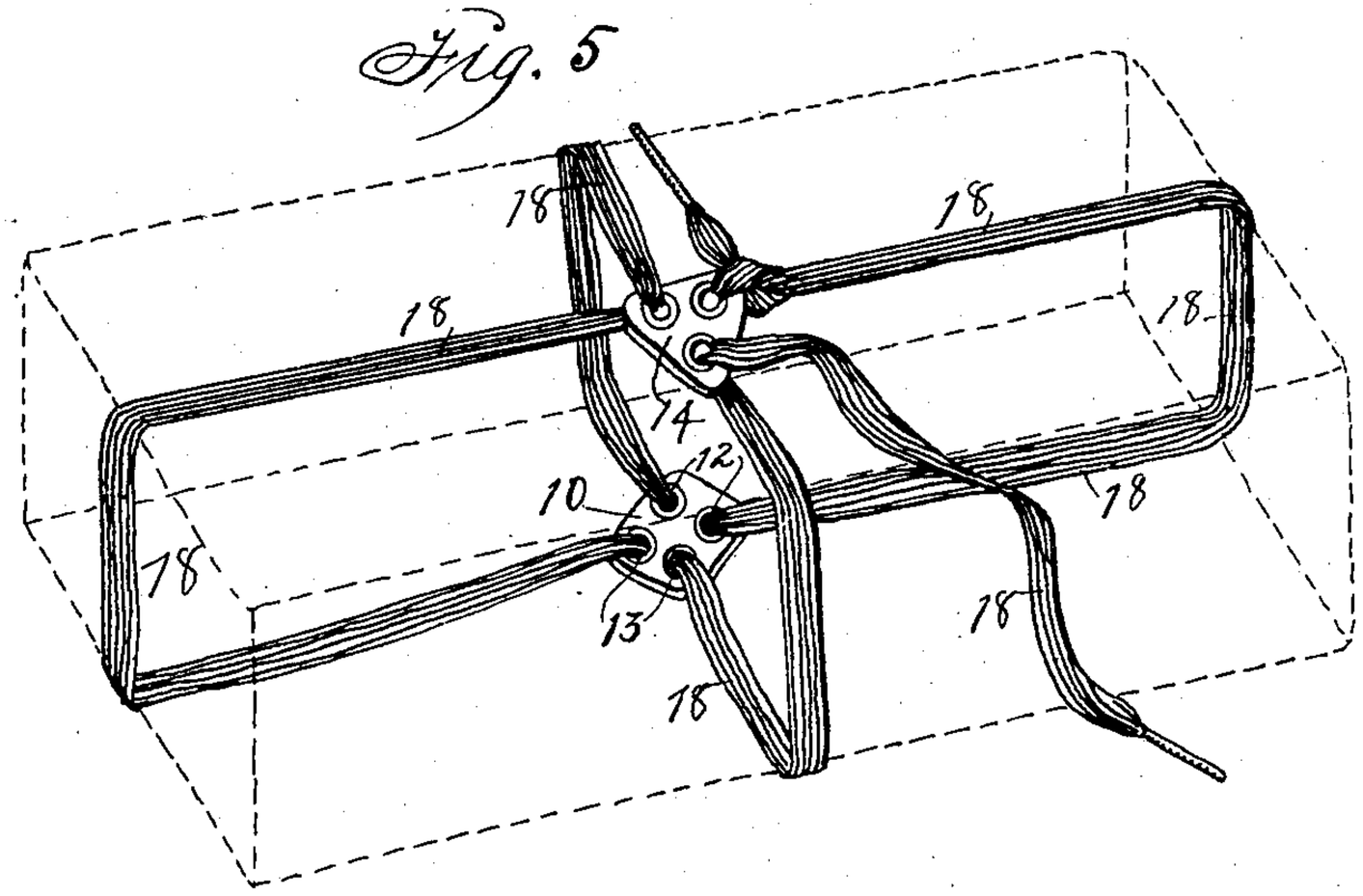
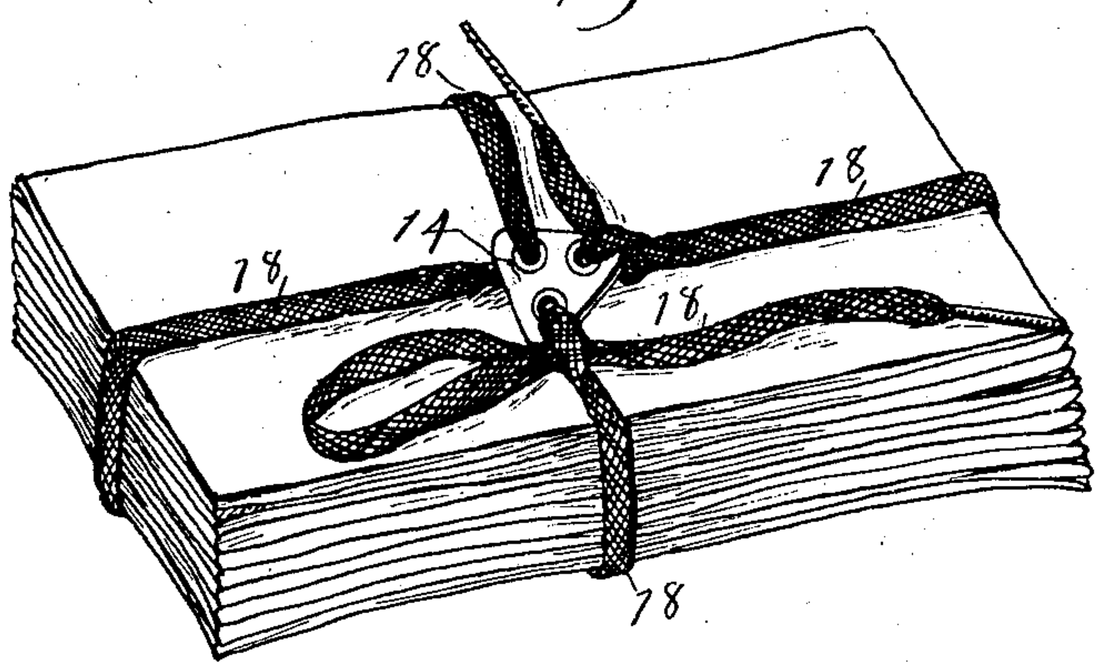


Fig. 6



Witnesses:
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No. 735,874. Patented August 11, 1903.

UNITED STATES PATENT OFFICE.

STOCKTON C. HERBERT, OF DES MOINES, IOWA, ASSIGNOR OF ONE-HALF TO SIMON CASSADY, OF DES MOINES, IOWA.

PACKAGE-TIE.

SPECIFICATION forming part of Letters Patent No. 735,874, dated August 11, 1903.

Application filed September 11, 1902. Serial No. 123,026. (No model.)

To all whom it may concern:

Be it known that I, STOCKTON C. HERBERT, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have invented a new and useful Package-Tie, of which the following is a specification.

My object is to provide a neat, simple, strong, durable, adjustable, and convenient tie specially adapted for use in post-offices to facilitate binding packages of mail-matter together securely in such a manner that they can be readily untied and the ties remain intact for repeated use.

A further object is to economize in the use of material, as well as in time and labor incident to cutting off lengths from a roll or ball of twine, and also cutting such pieces to open packages tied therewith.

My invention consists in the construction and application of an adjustable tie, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a diagrammatical view of a four-way guide-plate for a lacing or tie string adapted to be placed around a package and fastened thereto. Fig. 2 shows a modified form of the guide-plate. Fig. 3 shows the preferred shape of a plate adapted for tying one end of a tie-string thereto and directing the string around a package. Fig. 4 shows a modification of the form shown in Fig. 3. Fig. 5 shows the position of my tie when it is drawn around a package shaped as indicated by the dotted lines and the end of the string passed through a perforation in the corner of the tie-plate and ready to be drawn taut preliminary to fastening it by a single bow-knot. Fig. 6 is a perspective view of a package of letters securely bound by means of my package-tie, as required for practical use.

The numeral 10 designates a guide-plate, preferably made of leather or other suitable flexible material. It has a pair of mating apertures or eyelets 12 and a pair 13, each pair adapted for the passage of a tie-string, and the plate and apertures may vary in size, as required to suit strings and packages of different size. A tie-plate 14 of triangular shape is made of the same material and provided with apertures or eyelets 15 in its corner portions for the passage of a tie-string.

The modification 16 of the tie-plate (shown in Fig. 4) is made of spring-plate metal, and in lieu of an aperture or eyelet at one corner for fastening the end portion of a tie-string it has an integral clasp 17, under which the string may be drawn and thereby fastened in place of tying with a knot.

A lacing or tying string 18, preferably a woven tubular fabric, is first tied in one of the apertures 15 in the triangular-shaped tie 14, then passed through the pair of apertures 12 in the plate 10, then through another aperture in the tie-plate 14, then through the other pair of apertures 13 in the plate 10 and adjusted as required to be placed on a package, as indicated in Fig. 5, and then passing the free end of the string through the vacant aperture in the free portion of the tie-plate 14. After the string is thus placed around the package in two directions, or crossed position, as shown, it can be readily drawn tightly to clamp and bind all the letters or other separate overlying parts closely and securely together in compact form by tying a loop-knot, as shown in Fig. 6, or fastening the end by means of the clasp, as suggested by Fig. 4.

By unfastening the end of the tie-string its hold upon the package will relax and allow it to be readily removed and stored away for future use.

It is obvious an adjustable package-tie thus constructed can be advantageously and repeatedly used until the string is too much worn, when it may be replaced in the plates by a new one.

Having thus described the purpose and construction of my invention and the manner of its application and use, its practical utility will be readily understood by persons familiar with the art to which it pertains; and

What I claim as new, and desire to secure by Letters Patent, is—

1. A package-tie consisting of a guide-plate provided with two pairs of apertures, a tie-plate, a tie-string fastened thereto, an aperture in said tie-plate for the passage of the free portion of the string and means for detachably fastening the other end of the

tie-string to said tie-plate, for the purposes stated.

2. A package-tie comprising a guide-plate having two pairs of apertures, a tie-plate having three apertures and a tie-string fixed to the tie-plate in the manner set forth for the purposes stated.

3. A package-tie comprising a plate having two apertures, a string fastened in one of said apertures and extended through the other aperture, a guide-plate having two pair of apertures and the string extended through each pair and means for detachably fastening the free end portion of the string to the same plate to which the other end of the string is fastened, in the manner set forth for the purposes stated.

STOCKTON C. HERBERT.

Witnesses:
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