

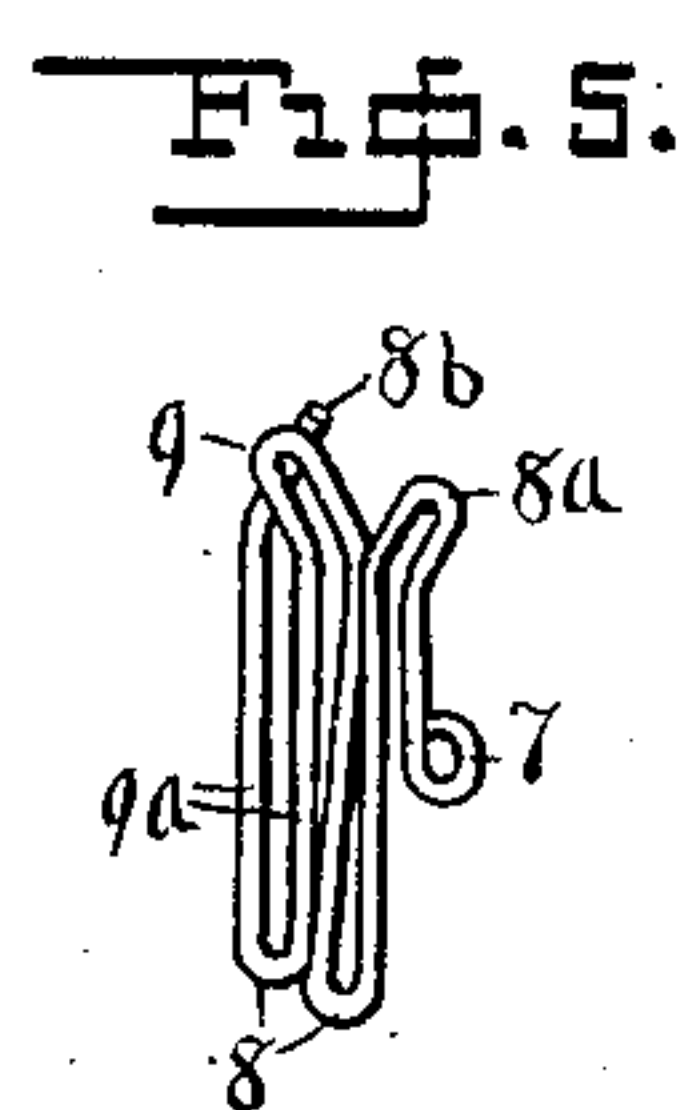
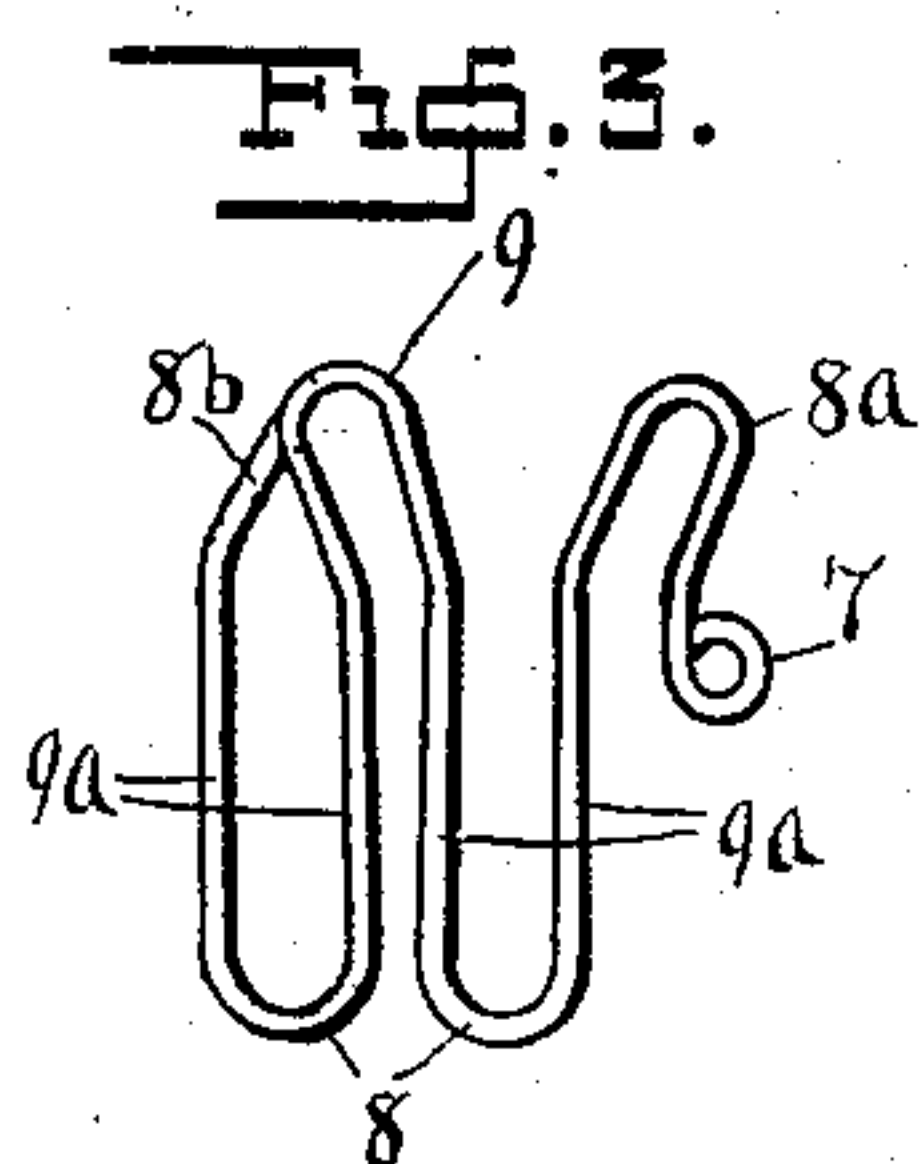
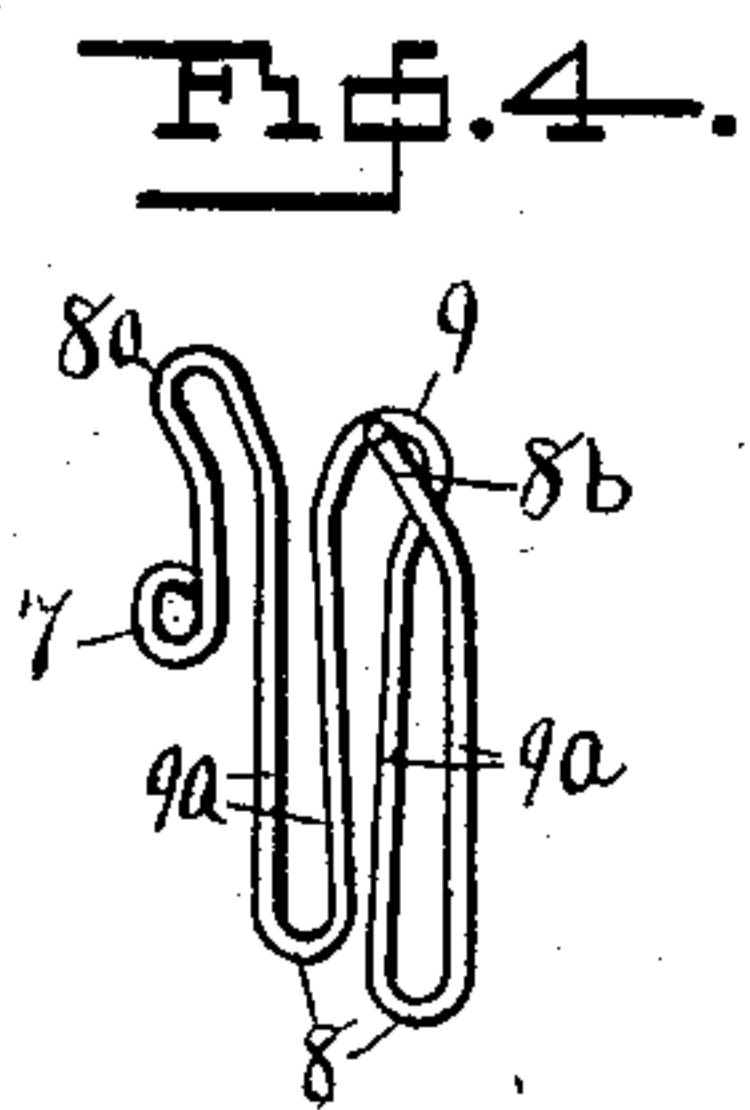
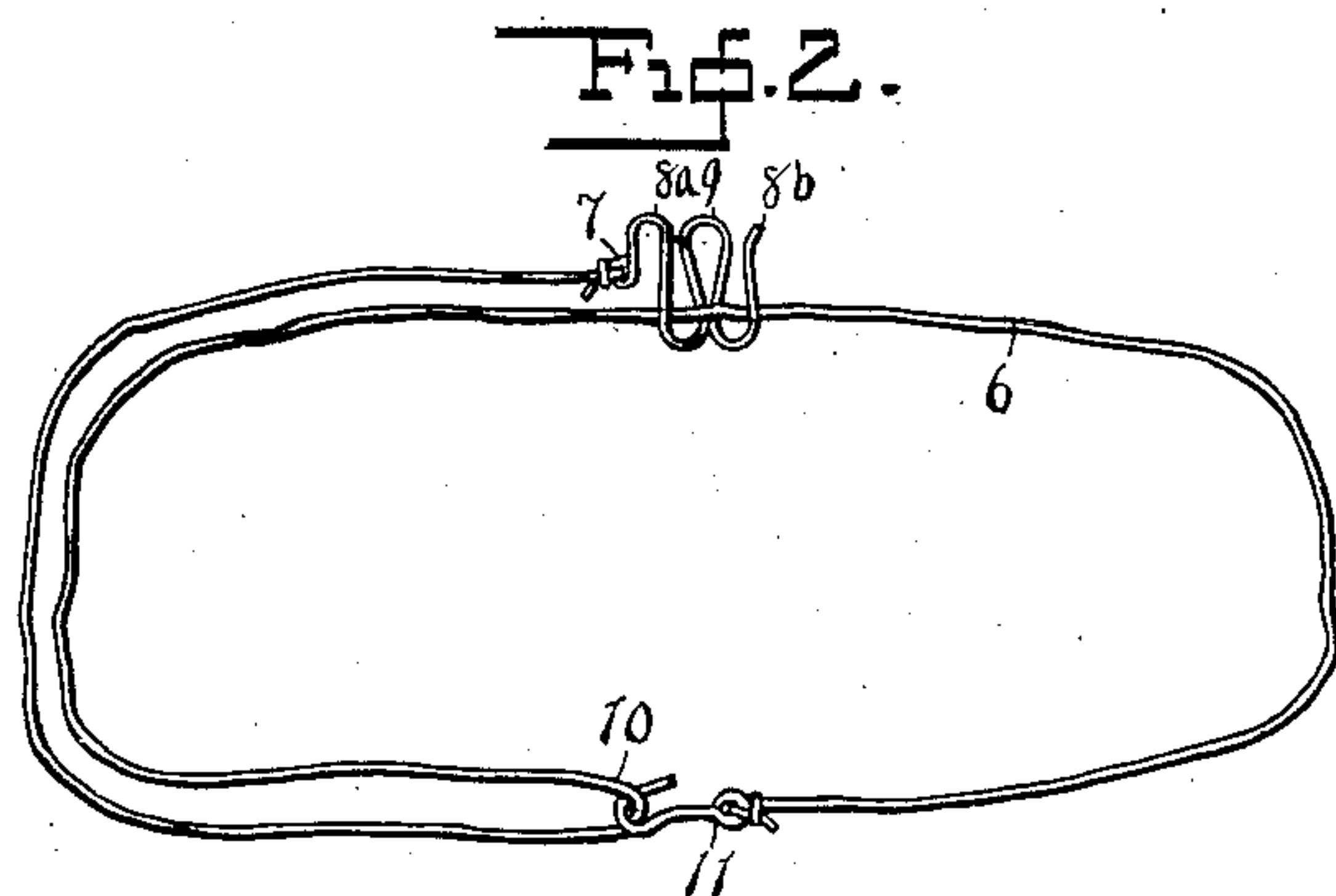
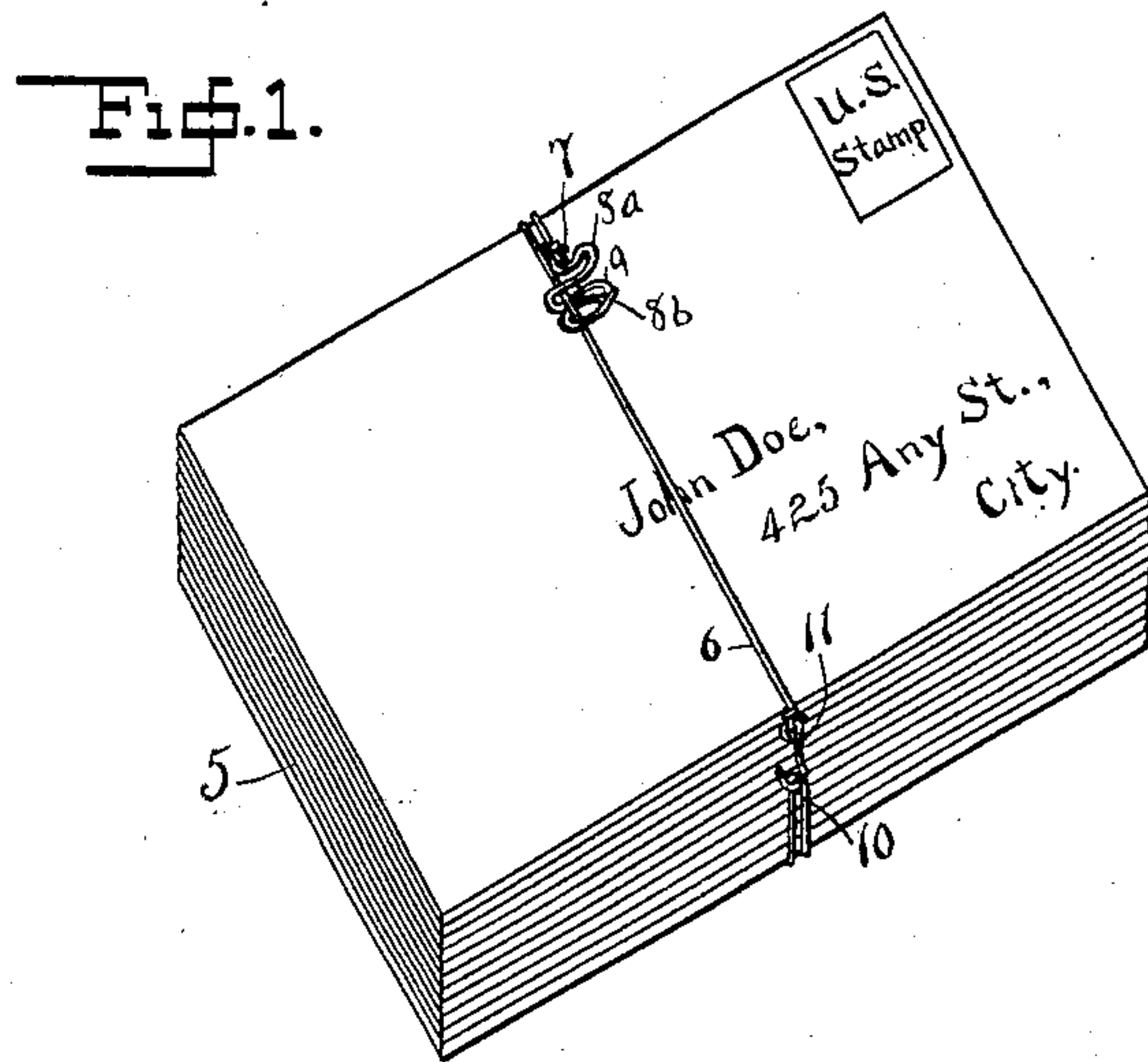
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PATENTED SEPT. 8, 1908.

G. H. DAUGHTREY.

PACKAGE TIE.

APPLICATION FILED OCT. 28, 1907.



WITNESSES:

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GEORGE H. DAUGHTREY, OF CHICAGO, ILLINOIS.

PACKAGE-TIE.

No. 898,192.

Specification of Letters Patent.

Patented Sept. 8, 1908.

Application filed October 28, 1907. Serial No. 399,557.

To all whom it may concern:

Be it known that I, GEORGE H. DAUGHTREY, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Package-Ties, of which the following is a specification.

My invention relates to fastening devices and refers especially to bale and package ties, being particularly designed for securing together letters, documents and loose papers of any description.

The chief objects of my invention are to provide a simple and efficient fastening that can be quickly applied to a bundle or package, that can be readily disengaged from the article to which it has been applied, and to supply a fastening means that can be reapplied and used an indefinite number of times.

Further objects of my improvements are to provide a clasp that will permit of a ready adjustment of the tension of the cord attached thereto, and to supply a tie and fastener that can be cheaply manufactured.

I accomplish the above objects by means of the device illustrated in the accompanying drawing which forms a part of this application, and in which:—

Figure 1 is a perspective view showing the manner of attaching my improved bundle tie to a package of letters; Fig. 2 is a view of the fastener removed from the package but in securing position, and Figs. 3, 4, and 5, are perspective views of the clasp removed from the cord.

Referring to the drawing more in detail, the numeral 5 indicates a bundle of letters, around which is placed a cord 6 one end being passed through an eye 7, of a fastener formed of a single piece of wire, said cord being securely knotted at the eye. The wire forming said clasp is bent upon itself a number of times to form loops 8, 8^a, 9, the straight portions 9^a connecting said loops all lying in the same plane. The adjacent loops 8 upon one side are closely arranged, while the opposite loops 8^a, 9, and the free end 8^b are more widely separated. The loops and the end 8^b are bent away from the median plane, the loop 9 being bent in one direction and the loop 8^a and the end 8^b in the opposite direction, thus forming a V-shaped channel or

groove between the oppositely flaring or bent loops, which is especially apparent when the clasp is viewed from the edge. To the other end of the cord 6 is fastened a hook 11 the eye and hook both lying in the same plane. I prefer to make both hook and clasp of steel wire, though any suitable material may be employed, it being necessary that the clasp members have a certain amount of resiliency, and firmness. The cord may be of any material affording the needed strength and tape may be employed if desired.

The method of applying the fastening may be described as follows: The cord is passed once or twice about the bundle and the cord engaged by the hook. Pull is then made away from the hook until the bight of the cord embracing the package has become sufficiently taut. Still making pull to keep the cord from slackening, the end to which the clasp is attached is now carried around the package until the entire cord is tightly stretched and the middle loop 9 of the clasp is then slipped beneath the portion of the cord first applied, the flaring of the loops away from the median plane facilitating this procedure. The clasp is pressed against the cord thus caught between the members until the said cord lies between the straight members 9^a where it is firmly held and tension upon the cord will fail to displace it. To remove the fastener it is only necessary to slip the clasp from the cord in a direction contrary to its insertion when it will be immediately released.

Having thus described my invention what I claim is:—

In a package tie, the combination with a cord, of a hook connected with one end of the cord, and a clasp connected to the other end of said cord, said clasp consisting of a wire bent into a series of parallel loops lying in the same plane, the extremities of the loops upon one side being bent away from the median line, and an eye formed in one end of said wire.

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

GEORGE H. DAUGHTREY.

Witnesses:

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