G. H. PIERCE.

TAG.

APPLICATION FILED MAR. 12, 1908.

916,588. Patented Mar. 30, 1909.

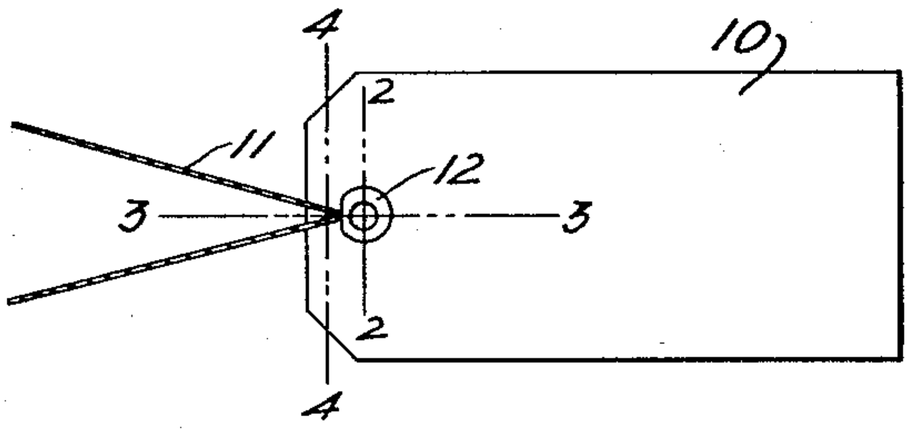

Fig. 1.

Fig. 2.

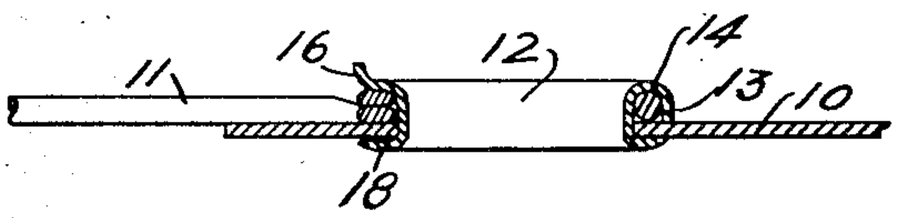

Fig. 3.

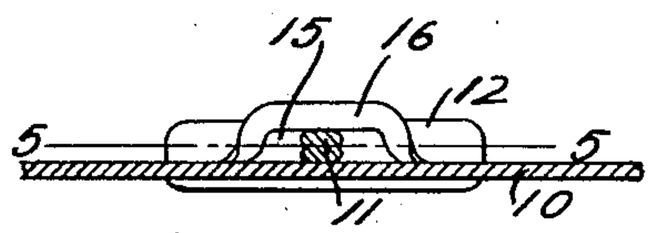

Fig. 4.

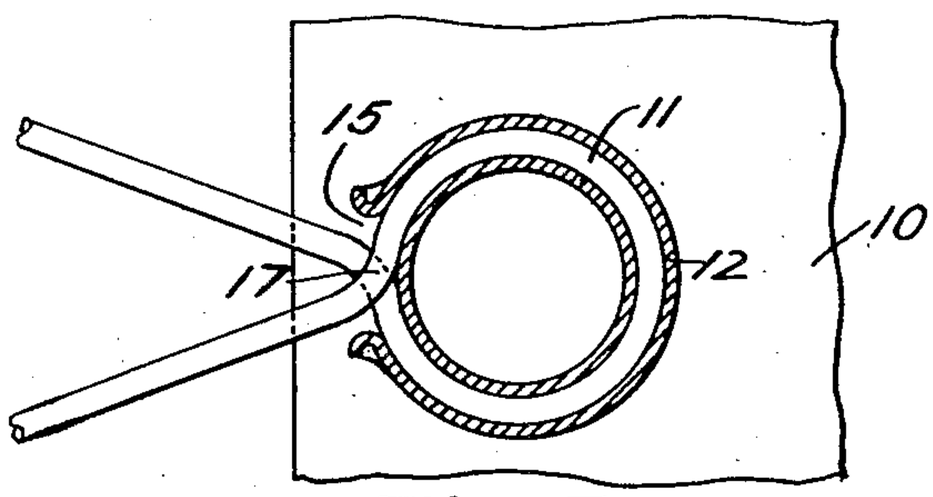

Fig. 5.

Witnesses:
Francis H. Bishop.
William C. Glass

Inventor:
George H. Pierce,
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UNITED STATES PATENT OFFICE.

GEORGE H. PIERCE, OF MELROSE, MASSACHUSETTS.

TAG.

No. 916,588. Specification of Letters Patent. Patented March 30, 1909.

Application filed March 12, 1908. Serial No. 420,670.

To all whom it may concern:

Be it known that I, GEORGE H. PIERCE, a citizen of the United States, residing at Melrose, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Tags, of which the following is a specification.

This invention relates to improvements in tags, and the object is to provide a tag having a string attached thereto by means of a rivet or the like in such a manner that it cannot become detached therefrom and yet it is impossible for the rivet to cut the string.

While strings have heretofore been secured to tags by means of rivets, eyelets or the like owing to their construction they have been impossible to manufacture on a commercial basis because the stringing is necessarily done by hand. This, of course, greatly decreases the speed of making and, therefore, increases the cost of manufacture.

In the attainment of the object above set forth, I have produced a tag which it is possible to manufacture entirely by automatic machinery in one continuous operation at a high rate of speed and with great accuracy and certainty.

The invention consists in the combination and arrangement of parts set forth in the following specification and particularly pointed out in the appended claims.

Referring to the drawings: Figure 1 is a plan of a tag embodying my invention. Fig. 2 is an enlarged detail section taken on line 2—2 of Fig. 1. Fig. 3 is an enlarged detail section taken on line 3—3 of Fig. 1. Fig. 4 is an enlarged detail sectional elevation taken on line 4—4 of Fig. 1, looking toward the right. Fig. 5 is a detail plan section taken on line 5—5 of Fig. 4.

Like numerals refer to like parts throughout the several views of the drawings.

In the drawings, 10 is a piece of paper, cardboard or the like, to which a flexible member 11 preferably consisting of a piece of string is secured by means of a rivet 12 which is preferably an eyelet. The rivet 12 is provided with a flange 13 which is preferably annular and which is provided with a recess 14 in its underside adjacent to the paper 10, said recess being of such a size and shape that the string 11 snugly fits therein. The flange 13 is provided with a mouth or outlet 15 which is formed by flaring a portion of said flange outwardly, thus forming a convex wall 16 extending part way around the outlet 15, said wall being so formed that it is impossible for the string 11 to become cut thereby. The two free ends of the string 11 extend outwardly through the outlet 15 and are preferably crossed at 17 in said outlet. The forming of the outlet 15 may take place either before the rivet is secured to the paper or cardboard 10 or during the operation of securing it thereto.

The rivet 12 is secured to the paper or cardboard 10 by either forcing the same through said card or introducing it through a previously punched hole after which the lower end of said rivet is flared outwardly or clenched, as at 18, by means of suitable dies. During the operation of securing the rivet 12 to the card 10, the string 11 is compressed by the flange 13 at the point of crossing 17 of the free ends of said string so that the same is securely held in place and cannot be withdrawn by pulling on one end thereof. Thus it will be seen that the string 11 where it is encircled by the downwardly turned flange 13 is covered thereby and cannot slip from under said flange and owing to its being crossed and held under compression at its point of crossing cannot become detached from the card 10. As before stated, when the tag is in use a string cannot become abraded or cut by the flange 13 owing to the rounded form of the wall 16.

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

1. A tag comprising a piece of paper, a rivet fast to said paper, said rivet provided with a flange having a recess adjacent to said paper, and a flexible member located in said recess and extending around said rivet.

2. A tag comprising a piece of paper, a rivet fast to said paper, said rivet provided with an annular flange having a recess adjacent to said paper, said flange being provided with an outlet, and a flexible member located in said recess and extending outwardly through said outlet.

3. A tag comprising a piece of paper, a rivet fast to said paper, said rivet provided with an annular flange having a recess adjacent to said paper, said flange being provided with an outlet having outwardly flared walls, and a flexible member located in said recess and extending outwardly through said outlet.

4. A tag comprising a piece of paper, a rivet fast to said paper, said rivet provided

with an annular flange having a recess adjacent to said paper, said flange being provided with an outlet, and a flexible member located in said recess and having two free ends extending outwardly through said outlet said ends being crossed within said outlet and said flange being arranged to press on said member at the point of crossing thereof.

5. A tag comprising a piece of paper, a rivet fast to said paper, said rivet provided with an annular flange having a recess adjacent to said paper, said flange being provided with an outlet having convexly flared walls, and a flexible member located in said recess and extending outwardly through said outlet.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE H. PIERCE.

Witnesses:
LOUIS A. JONES,
SYDNEY E. TAFT.