

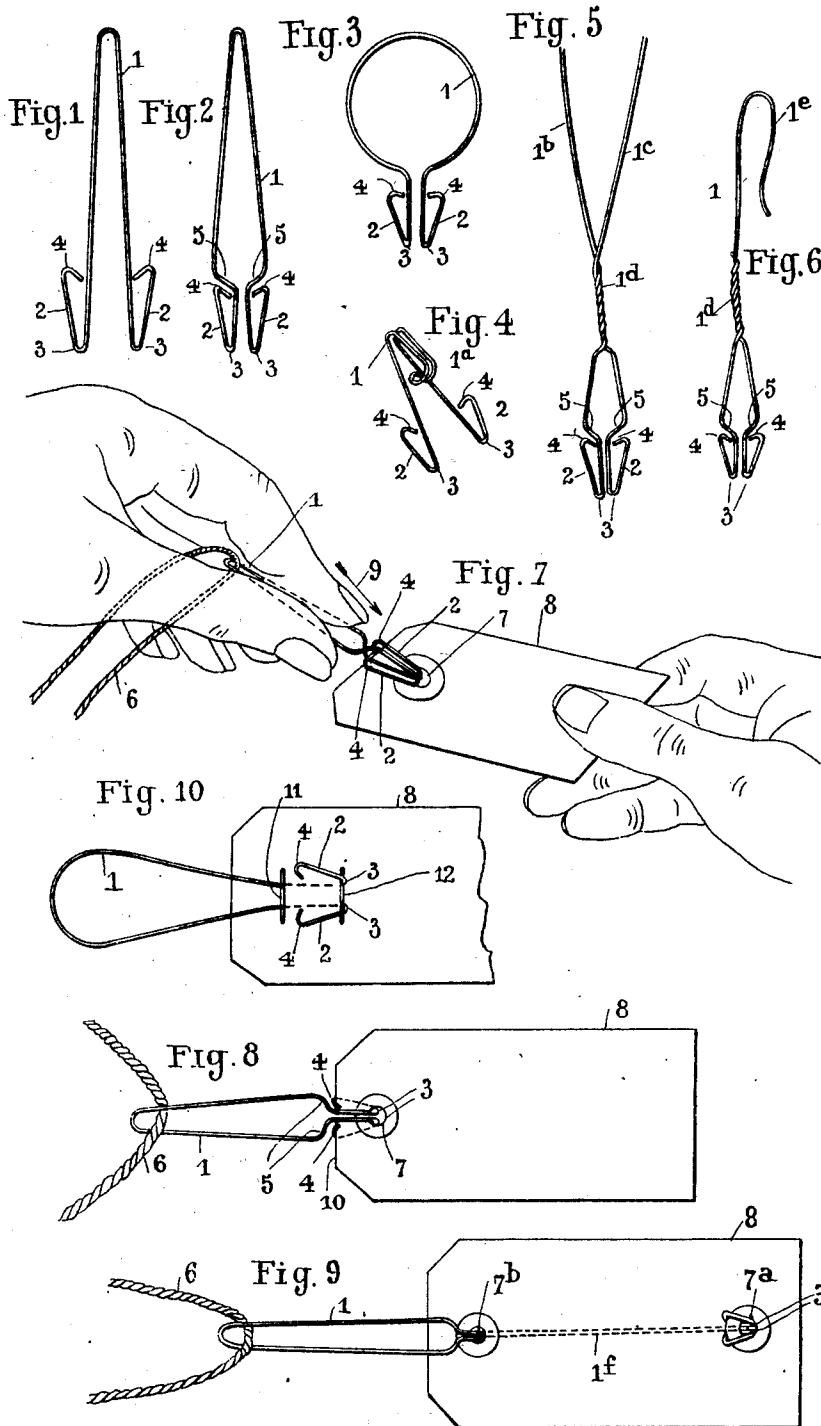
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METAL LABEL SECURING DEVICE

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## UNITED STATES PATENT OFFICE

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## METAL LABEL-SECURING DEVICE

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This invention has for its object a metal label securing device adapted for attaching to parcels and packages labels of paper, cardboard, or thin metal simply pierced with a hole which may be reinforced or not.

In the majority of cases the use of string, employed for this purpose hitherto, is not practicable. This use requires time, and does not enable the string to be passed through fabric, sacks, willow baskets and so forth without a needle.

On the other hand labels are already known previously provided with metal attaching wires, but these are generally thin, pass with difficulty through the fabric of sacks and can only be used once, as they are inseparable from the label itself.

The label securing device in accordance with the invention may be re-used, independently of the label, which can not become detached automatically and which holds securely to the parcel to which the label is to be secured. It can be placed in position instantaneously and it may be made of different shapes suitable to the different cases which may arise.

This label securing device consists essentially of a metal loop, by means of which it is secured directly or indirectly to the parcel, and of which the free ends form two hooks capable of being approached towards one another in such a manner as to be capable of penetrating into the slots or holes of the label, so as to be hooked thereto in a detachable manner.

In order that the invention may be readily understood it will be described hereinafter with reference to the accompanying drawings, wherein:

Fig. 1 shows the new label securing device in its most simple form.

Figs. 2, 3, 4, 5 and 6 are modifications of the construction of label securing devices in accordance with the invention, particularly constructed so as to adapt themselves to various types of parcels or packages.

Fig. 7 is a figure of demonstration showing the manner of placing a label in position by means of the label securing device.

Fig. 8 shows the label attached.

Fig. 9 shows a label provided with a label securing device of elongated type serving at the same time as a reinforcement for the label, and

Fig. 10 shows a slightly different method of attaching the label.

As shown in the drawings the label securing device consists of a sufficiently rigid metal wire 1, folded upon itself and forming at its free ends two hooks which are thus bent over as indicated in Fig. 1 at a relatively acute angle 3 and a bent portion 4 somewhat smaller than a right angle.

The model shown in Fig. 2 differs from the preceding one in that the wire is bent at 5 substantially parallel to the portions 4 for the purpose of preventing entanglement of the label securing devices when they are dispatched or transported pellmell as they slide more easily one upon the other in the form shown in Fig. 2, than in that of Fig. 1.

The hooks 2 form the attachment proper of the label securing device to the label, the part 1 of the wire serving for attachment to the package or parcel and being shaped in a different manner according to the nature of the parcel. In the case of Figs. 1 and 2 the attachment to the parcel is effected by means of a string 6 (Figs. 8 and 9); it will be understood that the string 6 is passed through the loop 1 before the label is placed in position as indicated hereinafter.

The arrangement shown in Fig. 3 corresponds more particularly to the securing of a label to the guide bar of a bicycle, a tube of the framework, to the handle of a basket, the handle of a case and so forth.

In the modification of construction of Fig. 4 the wire 2 is folded in such a manner as to form a kind of elastic pendant 1<sup>a</sup> adapted to be hooked to a string when it is slightly put out of shape, so as then to return by its elasticity to its original shape.

Fig. 5 corresponds to the case where the label securing device is formed of two parts twisted together for a predetermined length 1<sup>d</sup>. The wire forms two loose ends 1<sup>b</sup> and 1<sup>c</sup> which enable, even after the label has been hooked to the label securing device of secur-

ing the whole to an object sufficiently large, for example, a branch or trunk of a tree.

In the modification of Fig. 6 the wire 1 which is more rigid, forms a hook 1<sup>e</sup>.

5 For placing the label in position for example with the model shown in Fig. 2, the procedure is as indicated in Fig. 7.

After having passed the string 6 through the loop of the wire 1 the loop is closed by two fingers in such a manner as to superpose the ends 3 of the hooks 2 which enables the two hooks 2 to be passed through the hole 7 of the label 8 by pushing in the direction of the arrow 9 until the bent portions 4 have passed through the hole. The loop 1 is then released and opens by its elasticity and the hooks expand on opposite sides of the hole 7. When pulling the label securing device in a direction opposite to that of the arrow 9 the label securing device assumes the position indicated in Fig. 8, in which the bent portions are hooked over the edge 10 of the label. The operation has been effected in two periods: a period of compression, and a period of pulling.

Once the label has been fixed in position it cannot be detached automatically, unless it is torn between the holes 7 and the edge 10.

For very exposed objects it is possible to increase the distance between the hole 7 and the edge 10 by moving this hole to 7<sup>a</sup> towards the interior of the label (Fig. 9). The wire 1 is then made with an additional length 1<sup>f</sup> which is passed through a second hole 7<sup>b</sup> in the label in such a manner as to render the whole very resistant. Fig. 10 shows a slightly different method of attachment to the label 8. Instead of being provided with holes this is provided with two parallel slots 11 and 12, through which there is passed for example the label securing device of Fig. 1. The label may be strengthened by strong paper glued thereto between the slots 11 and 12.

I claim:—

45 1. A label fastening device comprising a looped metal wire having the end portions thereof bent back twice in opposite directions in the plane of the loop and the portions immediately adjacent the end portions bent to extend substantially parallel to each other for a considerable part of the length of the device.

2. A label fastening device comprising a wire bent upon itself to form a bight portion and two legs extending from said bight portion, each of said legs having its end portion rebent outwardly upon itself for a portion of its length to form a hook, said hook terminating in a spur extending toward but spaced a predetermined distance from the respective leg upon which it is carried.

3. A label fastening device comprising a wire bent upon itself to form a bight portion, and two legs extending from said bight portion, each of said legs having its end portion

rebent outwardly upon itself for a portion of its length to form a hook, said hook terminating in a spur extending toward but spaced a predetermined distance from the respective leg upon which it is carried, said legs, hooks and spurs lying substantially in a common plane.

4. A label fastening device comprising a wire bent upon itself to form a bight portion and two legs extending from said bight portion, each of said legs having its end portion rebent outwardly upon itself for a portion of its length to form a hook, said hook terminating in a spur rebent upon the hook portion and extending to a position a spaced distance from the respective leg upon which it is carried, said legs, hooks and spurs lying substantially in a common plane.

5. A label fastening device comprising a wire bent upon itself to form a bight portion and two legs extending from said bight portion, said legs having their end portions rebent in divergent relation to each other upon said legs for a portion of their length to form hooks said hooks terminating in spurs rebent upon the hook portions and extending toward but spaced a predetermined distance from the respective legs upon which they are carried, said legs, hooks and spurs lying substantially in a common plane.

6. A label fastening device comprising a wire bent upon itself to form a bight portion and two legs extending from said bight portion, said legs having their end portions rebent in divergent relation to each other upon said legs for a portion of their length to form hooks, said hooks terminating in spurs rebent upon the hook portions and in converging relation to each other, said spurs extending to a position adjacent to but spaced from the respective legs upon which they are carried, said legs, hooks and spurs lying substantially in a common plane.

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