

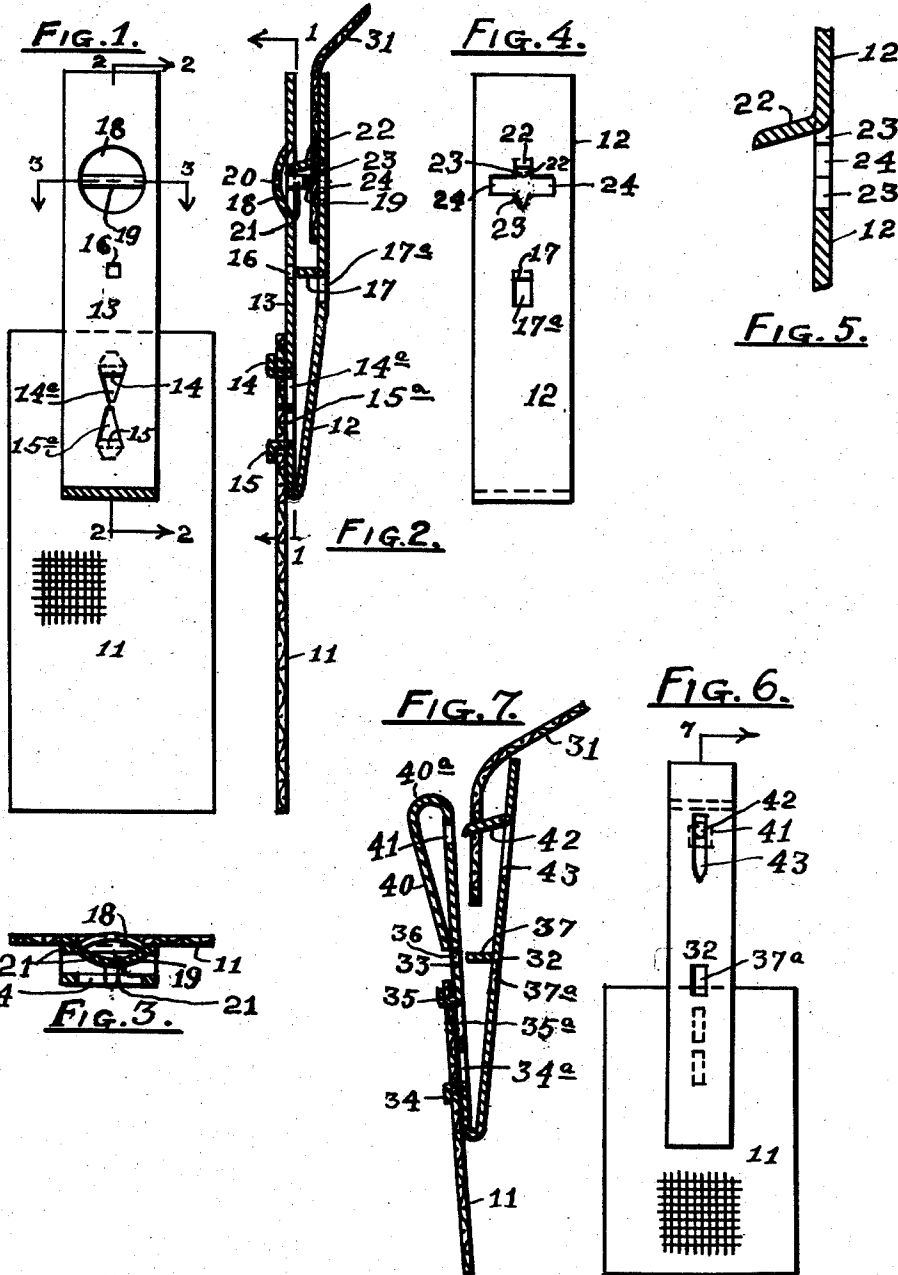
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S. WEISS

1,961,806

TAG FASTENER

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1,961,806

TAG FASTENER

Samuel Weiss, Brooklyn, N. Y.

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10 Claims. (Cl. 24—153)

My invention relates to improvements in tag fasteners, and it consists in the novel features which are hereinafter described.

One of the objects of my invention is to provide a fabric tag with a perfected means for fastening the same to a garment or a piece of linen in a way to prevent the disengagement of the garment from the fastener.

Another object of my invention is to prevent the laceration of the hands of operators and the mutilation of fabrics by the protrusion of sharp points from the tag fastener.

A further object is to have said tag fastener relatively simple, durable and inexpensive.

Other objects and advantages will hereinafter appear.

I attain these objects by the tag fastener, two forms of which are illustrated in the accompanying drawing or by any mechanical equivalent or obvious modification of the same.

In the drawing Fig. 1 shows one form of my tag fastener and is a sectional front view on the line 1—1 of Fig. 2 looking in the direction of the arrows and showing a tag in elevation and one of the fastener prongs, which is hereinafter more fully described.

Fig. 2 is a section on the line 2—2 of Fig. 1, looking in the direction of the arrows.

Fig. 3 is a section on the line 3—3 of Fig. 1, looking in the direction of the arrows.

Fig. 4 is a front view in elevation of my improved tag fastener, looking from right to left in Fig. 2 and omitting the tag.

Fig. 5 is an enlarged sectional view of a detail showing the combined piercing and locking tongue or pin of my tag fastener which is hereinafter more fully described.

Fig. 6 is a front view in elevation showing another form of my tag-fastener; and Fig. 7 is a section on the line 7—7 of Fig. 6, looking in the direction of the arrows.

Similar numerals refer to similar parts throughout the several views:

11 designates a fabric tag, such as used in cleaning and dyeing establishments and the like, and 12 and 13 are two prongs of a metal fastener 12—13 which is shown as secured to the tag 11 by means of riveting tongues 14 and 15 which are slitted from said prong 13, leaving therein the openings 14a and 15a as shown in Fig. 1. The ends of the tongues 14 and 15 are riveted over the rear of the tag 11, as shown.

The prong 13 is also provided with an opening 16, for receiving therein a locking tongue 17 which is slitted from the prong 12, leaving there-

in an opening 17a, and initially bent at right angles to the prongs 12; the tongue 17 is inserted into the said opening 16 when said prongs 12 and 13 are brought together, whereupon the end of the tongue 17 is riveted over the rear of the prong 13, thereby locking said prongs to each other after a garment or other requisite fabric is engaged therebetween as is hereinafter described.

The upper end of the prong 13 is shown as having formed therein a rearwardly directed depression or cup 18; the latter has slitted therefrom a strip of metal 19 at the upper and lower edges thereof but retained at its ends in continuity with the metal of the cup 18; the strip 19 is shown in Fig. 3 as curved forward, leaving in said cup 18 a slot 20, and forming an open 21, which is enclosed between the inner surface of said cup 18 and the rear of said strip 19 and extends in a direction substantially lengthwise said prongs 12 and 13.

The prong 12 is shown as having slitted therefrom and extending rearwardly therefrom a combined piercing and locking tongue or pin 22, which is disposed opposite said cup 18 and above said strip 19; a vertically disposed opening 23 is formed in the prong 12 after slitting therefrom the said pin 22; and horizontally disposed lateral openings 24 are shown in Fig. 4 as extending laterally from said opening 23, to receive therein the strip 19 when the prongs 12 and 13 are brought together.

A portion of a garment or fabric 31 is placed between the two prongs 12 and 13 after springing them apart for this purpose; thereupon the prongs are brought together, thereby causing the pin 22 to pierce the fabric 31, and a further motion or pressing of the prongs 12 and 13 towards each other will evidently cause the end of the pin 22 to enter the opening 21 and be deflected by the inner surface of the cup 18 into a locking engagement with the strip 19, thereby securely holding the fabric or garment 31 against accidental detachment from the fastener 12—13 and the tag, which is secured to the latter.

The combined piercing and locking tongue or pin 22 is pointed, as shown in Figs. 4 and 5, for readily piercing or penetrating a fabric, and the metal of the prong 12, with said tongue 22 thereon, is thin enough to permit the ready bending of the latter by the pressing of the prongs 12 and 13 towards each other.

To still further secure the prongs 12 and 13 in engagement with each other the locking tongue 17 of the prong 12 is passed through the opening 16 in the prong 13, and the end of the tongue 17 is

then riveted over the rear of the prong 13 in the same way as the ends of the tongues 14 and 15 are riveted over the tag 11 as shown in Fig. 2.

To release the fabric 31, the end of the tongue 17 is first unbent by hand; the prongs 12 and 13 are then pried apart by hand with sufficient force to unbend the tongue 22 and remove it from the opening 21. The fabric 31 may then be picked off the pin 22 after springing the prongs 12 and 13 still further apart.

It will be understood that the pin 22 is much thinner and narrower than as shown in the drawing and may be made thin enough and narrow enough not to leave any appreciable mark or aperture in the fabric 31.

In the form of my tag fastener shown in Figs. 6 and 7 the prong 33 has near the upper end thereof an opening 41 and rearwardly thereof a downwardly extending shield 40 which is shown as integral with the upper end 40a of the prong 33 and is formed by bending said upper end through an angle of 180 degrees or more.

The prong 32 is shown as having slitted therefrom a combined piercing and locking tongue or pin 42, leaving in said prong 32 an opening 43 as shown in Fig. 6.

A fabric or part of a garment 31 is placed between the prongs 32 and 33 after springing said prongs apart, and said fabric is engaged by the pin 42; the prongs are then brought together, thereby causing the pin 42 to pass through the opening 41 in the prong 33 and be deflected by the shield 40 into locking engagement with the rear of the prong 33.

It will be understood that the pin 42 may be longer than as shown in the drawing and the shield 40 closer to the opening 41, and the proportion of the parts of my tag fastener in general may be adjusted to produce a locking engagement of the pin 42 with the prong 33.

An additional locking tongue 37 is also provided on the prong 32 by slitting it therefrom and leaving therein an opening 37a and a corresponding opening 36 is provided in the prong 33, whereby securely to lock the prongs 32 and 33 together.

The tag 11 may be secured to the prong 33 by means of riveting tongues 34 and 35 as shown in Fig. 7. These tongues are slitted from the prong 33 leaving therein the openings 34a and 35a respectively.

The prongs 12 and 13 of Figs. 1 and 2 may be separate strips of metal riveted to each other and to the tag 11, if desired; the same is possible with the prongs 32 and 33 of Figs. 6 and 7.

Many changes may be made in the details of my tag fastener without departing from the main scope of my invention and parts of my invention may be used without other parts.

I do not, therefore, restrict myself to the details of my tag fastener as shown in the drawing, but I intend to include also all mechanical equivalents and obvious modifications of the same within the scope of my invention.

I claim as my invention and desire to secure by Letters Patent:

1. In a tag fastener a pair of strips to be interlocked with each other one of said strips being adapted to be secured to a tag, one of said strips having thereon a combined piercing and locking tongue, whereby to engage a fabric, and the other of said strips having therein an opening for said tongue to pass therethrough, and a means on said other strip to effectively engage said tongue, thereby interlocking said strips, combined with a

shielding means on said other strip for protecting the hands of the operators from being lacerated by the point of said tongue.

2. In a tag fastener a pair of relatively narrow strips, one of said strips having thereon a combined piercing and locking tongue, whereby to engage a fabric, and the other of said strips having therein an opening for said tongue to pass therethrough, a means on said other strip to effectively engage said tongue, thereby interlocking said strips, and a shielding means on said other strip as a protection against injury by the point of said tongue, combined with an auxiliary locking tongue on one of said strips and a corresponding opening in the other strip, said tongues being positioned lengthwise said strips, whereby to secure said strips to each other after a fabric has been engaged by said first mentioned tongue.

3. In a tag fastener a pair of metal strips to be interlocked with each other, one of said strips having thereon a piercing tongue, whereby to engage a fabric, and the other of said strips having therein an opening for said tongue to pass therethrough, combined with a shielding means on said last mentioned strip as a protection against injury by the point of said tongue, said shielding means being formed by bending the end of said other strip on itself in a direction opposite to that of said first mentioned strip.

4. In a tag fastener a metal strip part adapted to be secured to a tag and another strip part to be interlocked with said first mentioned part, one of said parts having thereon a piercing tongue, whereby to engage a fabric and the other of said parts having a band slitted therefrom near the end thereof transversely thereto, said band being united at the ends thereof to said other part, combined with a depression in the end of said other part, said band with said depression forming an opening to receive therein the end of said tongue, and the metal at said depression forming a shielding means for the point of said tongue.

5. In a tag fastener a metal strip part adapted to be secured to a tag and another strip part to be interlocked with said first mentioned part, one of said parts having thereon a piercing tongue whereby to engage a fabric and the other of said parts having a band slitted therefrom near the end thereof transversely thereto, said band being united at the ends thereof to said other part and curved in the opposite direction therefrom, thereby forming an opening for receiving therein the end of said tongue and the metal of said end at said band forming a shielding means for the point of said tongue.

6. In a tag fastener a strip part adapted to be secured to a tag and another strip part to be interlocked with said first mentioned part, one of said parts having thereon a piercing tongue whereby to engage a fabric and the other of said parts having thereon an opening to receive the end of said tongue, combined with a shielding means on said last mentioned part for protecting the hands of the operators from being lacerated by the point of said tongue, said shielding means comprising a cup shaped depression in the end of the last mentioned part combined with a strip slitted from the said end at said depression transversely to said part and curved in the opposite direction from said depression, thereby forming with said depression said opening for receiving therein the end of said tongue.

7. In a tag fastener a pair of prongs connected to each other at one of the ends thereof and comprising a pair of metal strips, one of said strips

having thereon a piercing tongue whereby to engage a fabric, combined with a locking tongue in one of said strips positioned at a distance from said piercing tongue and a corresponding aperture in the other strip for said locking tongue to pass therethrough, whereby to secure said strips to each other after a fabric has been engaged by said piercing tongue.

8. In a tag fastener a pair of metal strips, one of said strips having thereon a piercing tongue whereby to engage a fabric and the other of said strips having therein an opening for said tongue to pass therethrough, and a shielding means on said last mentioned strip as a protection against injury by the point of said tongue, combined with a locking tongue on one of said strips positioned at a distance from said piercing tongue, and a corresponding aperture in the other strip for said locking tongue to pass therethrough, whereby to secure said strips to each other after a fabric has been engaged by said first mentioned tongue.

9. In a tag fastener a relatively narrow strip part, adapted to be secured to a tag and another

relatively narrow strip part to be interlocked with said first mentioned part, one of said parts having therein a piercing tongue, whereby to engage a fabric and the other of said parts having therein an opening to receive the end of said tongue, combined with a locking tongue on one of said parts and an opening in the other of said parts, positioned lengthwise said strips with relation to said piercing tongue whereby to secure said parts to each other after a fabric has been engaged thereby.

10. In a tag fastener a relatively narrow strip part, adapted to be secured to a tag and another relatively narrow strip part to be interlocked with said first mentioned part, multiple tongues disposed in series on one of said parts lengthwise thereof, multiple corresponding openings in the other of said parts to receive the ends of said tongues, whereby to effectively hold a fabric by means of said strip parts when the latter are interlocked with each other.

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