

May 9, 1933.

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SPRING FASTENER FOR BROOCHES AND THE LIKE

Filed Sept. 3, 1932

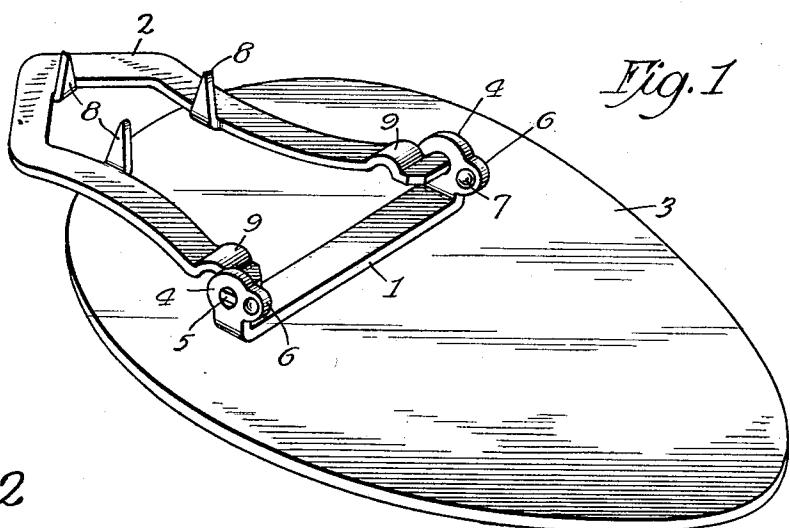


Fig. 1

Fig. 2

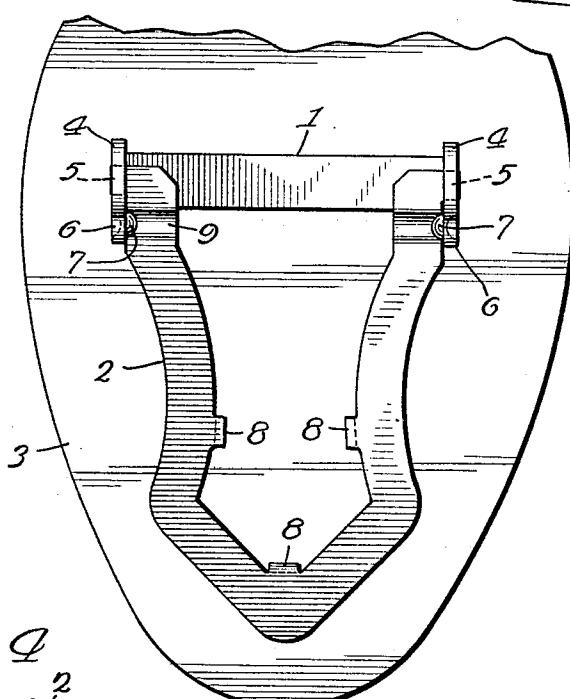


Fig. 2

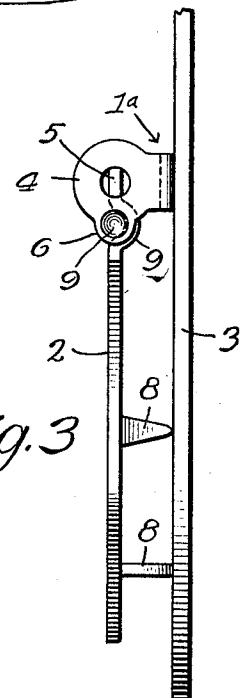
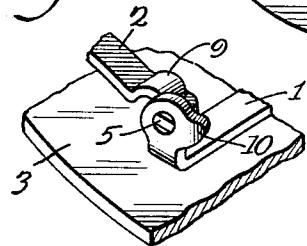


Fig. 3

Fig. 4



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UNITED STATES PATENT OFFICE

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SPRING FASTENER FOR BROOCHES AND THE LIKE

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My invention relates to a spring fastening device or clip which is particularly well suited for use in fastening brooches, badges, pins or emblems of an ornamental character to the 5 clothing, or other article of apparel, as hats, or slippers, for personal adornment. My invention may be embodied in a finding which may be soldered to the ornamental member, or it may be constructed, if desired, as an 10 integral part of such member.

The object of my invention is the provision of a spring clip, or fastening device which shall be extremely simple in construction and not liable to derangement and shall 15 be capable of being manufactured at a minimum of expense, and which shall nevertheless function perfectly and smoothly and be highly efficient and desirable in serving the purposes for which it was designed, the essential 20 elements of my invention being pointed out in the appended claim.

In Figure 1 of the drawing, I have illustrated in perspective a fastener embodying a preferred form of my invention, in open 25 position, attached to the rear side of an ornamental member;

Fig. 2 is a plan view of the same, with the fastener closed.

Fig. 3 is a side view of the device; and

Fig. 4 is a fragmentary view showing in perspective one of the hinge portions of a modified form of my invention.

Like reference characters indicate like parts in all the figures of the drawing.

Describing the preferred form of my invention illustrated in Figs. 1 to 3, my fastener consists of a back or keeper member 1, to which is pivoted a U-shaped or open loop spring jaw or keeper member 2. The back 35 member, as shown, may consist of a unitary finding 1, which it is to be understood is soldered to the back of the ornamental portion 3 of the back, the finding having upturned lugs 4-4, orificed to provide bearings for opposite, outwardly extending pintles 5-5 formed on the ends of the two sides of the spring jaw 2. The lugs 4 are formed on what will be termed their lower sides with short extensions 6-6 in which are stamped inwardly extending rounded bumps 7-7 ar-

ranged to serve as cams to cooperate with portions of the jaw member next to be described.

The jaw member 2 preferably consists of a thin, flat sheet of spring metal, formed with the pintles 5-5 above described, and with prongs 8 arranged to engage the article to which the fastener is applied. Adjacent the pintles 5-5 the jaw is formed with bends 9-9 which, when the jaw is moved from open to closed position, are arranged to cooperate with the bumps 7-7 on the bearing lugs of the backing member in such manner that the ends of the jaw will be yieldingly forced towards each other and then through reaction on the opposite sides of the bumps will stress that jaw towards the back member and firmly grip the interposed ply of any article to which the fastener is applied.

In the modified form of my invention shown in Fig. 4, the lower sides of the bearing lugs, marked 10-10, carried by the back member are extended downwardly and bent inwardly, and formed with a rounded inner face which is arranged to cooperate with the bends 9-9 of the keeper member in a manner similar to the action of the bumps 7 on the bends 9-9 in the preferred form of my invention first described.

I claim:

1. A fastening device including a back member equipped with bearing lugs provided on their inner sides with downward extensions formed with rounded bumps constituting cam faces, and an open loop spring jaw pivoted at its ends in said lugs and having contact faces arranged to cooperate with said cam faces on said lugs to yieldingly hold said jaw in closed position.

2. A fastening device including a back member equipped with bearing lugs formed with cam faces on their inner sides, and an open loop spring jaw pivoted at its ends in said lugs and formed of a strip of sheet metal formed with bends adjacent its pivot points arranged to cooperate with said cam faces on the bearing lugs.

3. A fastening device including a back member equipped with orificed bearing lugs

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formed with rounded bumps on their inner sides, and a thin flat spring metal jaw formed with pintles and with bends adjacent said pintles arranged to cooperate with said 5 rounded bumps to yieldingly hold said jaw in closed position.

In testimony whereof, I have subscribed my name.

LOUIS AANERUD.

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