

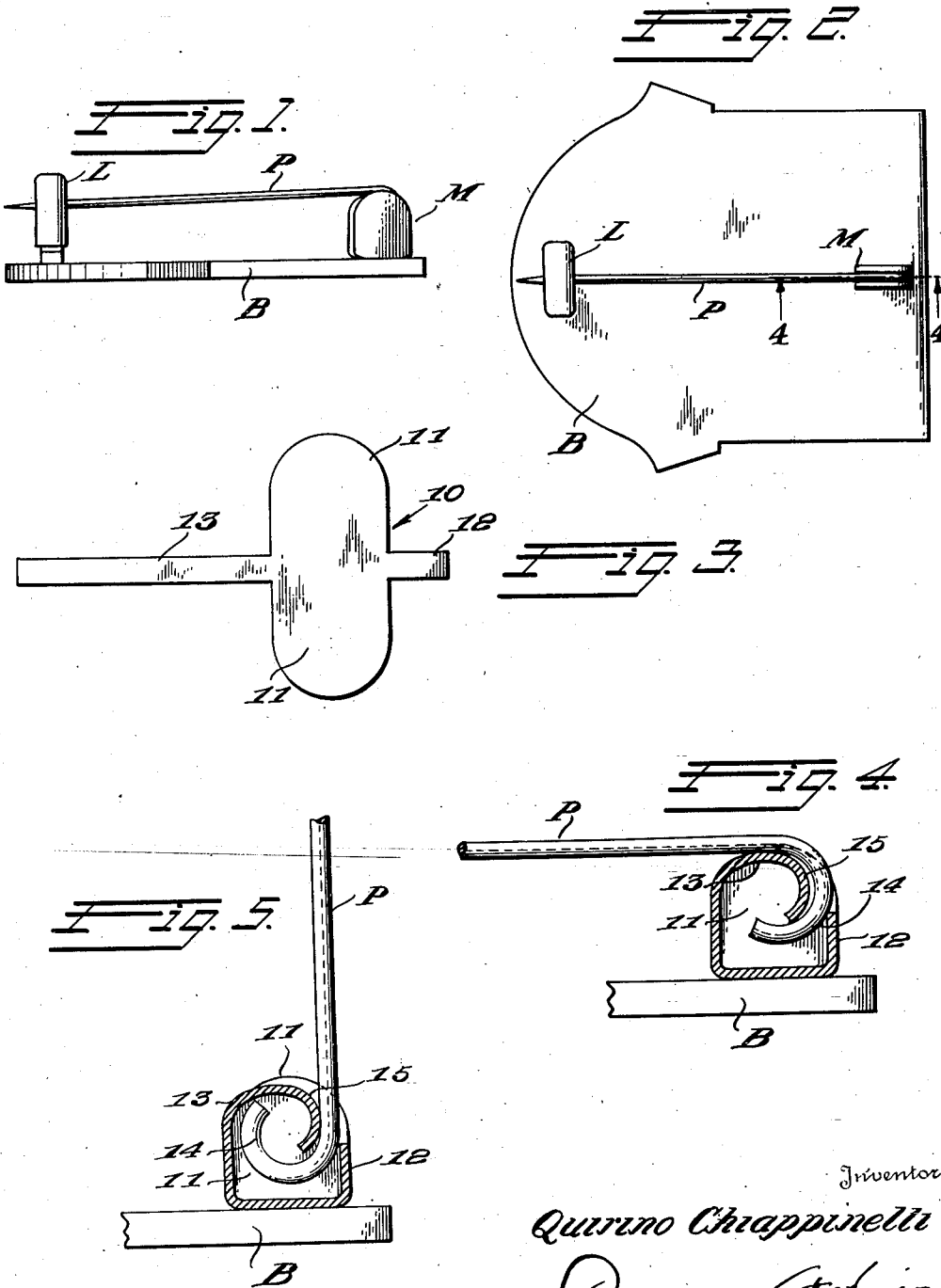
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PIVOT MOUNTING FOR PINS OF BROOCHES AND THE LIKE

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## PIVOT MOUNTING FOR PINS OF BROOCHES AND THE LIKE

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5 Claims. (Cl. 24—160)

This invention relates to pivot mountings for pins of brooches and the like.

As is generally known, brooches, badges, and similar ornaments having attaching pins of the bar type are in most instances of relatively inexpensive construction, thereby necessitating relatively simple and inexpensive pin attaching and securing means in their manufacture.

The necessity of relatively simple and inexpensive pivot mountings has long been recognized and many attempts have been made to provide same without unduly sacrificing the effectiveness of such mountings.

Such prior attempts are particularly indicated in the U. S. Patents to A. Kilstrom, No. 884,496, April 14, 1908; E. R. Crecelius, No. 950,894, March 1, 1910; W. H. Taylor, No. 1,304,406, May 20, 1919; and T. J. Pollard et al., No. 1,404,218, January 24, 1922, and it is a primary object of this invention to provide an improved pivot mounting which is fully as efficient as those disclosed in the above noted patents while materially simplifying the structure thereof.

A further object of the invention is the provision of a pivot mounting for bar pins which is readily provided through a simple operation of bending an imperforate relatively thin flat metallic blank into the completed mounting structure.

A still further object of the invention is the provision of a pivot mounting for bar pins which is capable of being readily adapted to accommodate eyes of varying diameters on the butt ends of the shanks of bar pins.

The invention will be best understood from a consideration of the following detailed description, taken in connection with the accompanying drawing forming part of this specification, with the understanding that, while the drawing shows a practical form of the invention, nevertheless the latter is not confined to any strict conformity with the showing of the drawing but may be modified so long as such modifications come within the scope of the appended claims.

In the drawing:

Figure 1 is an edge elevation of a brooch, badge, or the like showing the application of my invention in accordance with a preferred embodiment thereof.

Fig. 2 is a top plan view of the structure of Fig. 1.

Fig. 3 is a plan view of a metallic preformed blank from which the pivoted mounting is formed.

Fig. 4 is a longitudinal vertical section of the

completed mounting with the pin operatively associated therewith.

Fig. 5 is a similar view showing the pin in a different angular position.

Referring now in detail to the drawing, B designates a brooch, badge, or the like to which the improved mounting is rigidly secured.

The mounting M pivotally supports one end of a bar pin P whose free or penetrating end is retained by a catch or locking device L which, per se, forms the subject-matter of my copending application Ser. No. 466,182, filed November 19, 1942.

The improved mounting M which forms the subject-matter of this application comprises in its initial form a unitary flat metal blank 10 which is relatively thin and accordingly capable of being readily stamped from sheet material.

The blank 10 includes a major portion defining oppositely projecting ears 11 and relatively short and long tongues 12 and 13, respectively, extending laterally and centrally from the major portion.

The completed mounting M is formed by bending the ears 11 into spaced parallel relation and at right angles to the plane of the initial blank, thereby providing the opposite sides of the pivot mounting illustrated in Figs. 4 and 5. The ears 11 in their mounting position are spaced apart a distance substantially equal to the width of the tongues 12 and 13 which are then bent into the space between the ears, as illustrated.

A U-shaped or box-like mounting is thus provided having a base of slightly greater width than the tongues and which may readily be soldered or otherwise rigidly connected to the brooch or badge B in the position shown.

The longer tongue 13 is bent upwardly (considering the position of Figs. 4 and 5) along corresponding edges of the ears 11 and then inwardly between the ears in arcuate formation to form an arched wall for supporting, guiding, and limiting pivotal movement of the eye 14 on the butt end of pin P. The shorter tongue 12 after admitting the eye 14 is then bent upwardly adjacent the opposite corresponding edges of the ears 11, thereby maintaining the eye in operative pivotal relation with the curved portion 15 of the tongue 13.

As indicated in Fig. 4, which corresponds substantially to the locked position of the pin as in Fig. 1, the eye 14 is pivotally supported by the curved tongue portion 15 and is retained in such position by the tongue 12, while as indicated in Fig. 5 the pin may readily be swung through a

substantial angle while being maintained in association with the tongue 13 by the tongue 12.

It is to be particularly noted that the tongue 13 need not be bent into accurate conformity with the pin eye 14, since it is essential only that such eye be retained within the mounting defined by ears 11 and tongues 12 and 13 while being capable of pivotal movement about the curved tongue portion 15, even though considerable play may exist between the eye and the supporting and confining tongues whereby the tongues may be bent without undue precaution as to accuracy for expediting the manufacture in keeping with the desired inexpensiveness thereof.

Thus, as indicated in Fig. 5, where the pin shank is in elevated position, the eye 14 may drop onto the base portion of the mounting for a distance substantially equal to the diameter of the shank without in any way obstructing the efficiency of the structure, or, if desired, the eye 14 may rest on the base in both positions of Figs. 4 and 5 with resulting less amount of play of the eye within the mounting.

It will be appreciated from the foregoing disclosure that a pivot mounting for bar pins is provided in accordance with this invention which is of maximum simplicity in construction, effective in operation, and which is capable of being manufactured at relatively low cost, thereby adapting it for use with relatively inexpensive bar pin supported brooches, badges, and the like.

Having set forth the invention in accordance with a preferred embodiment thereof, what I claim and desire to secure by U. S. Letters Patent is:

1. A pivot mounting for the eye of a bar pin comprising a base, a pair of spaced ears extending from the base and defining a space therebetween to receive the eye, a tongue extending from the base between the ears and having a curved portion for engagement within and in substantial

conformity with the eye, and a second tongue extending from the base in spaced relation to the first tongue for engaging the eye externally thereof and maintaining same in operative cooperation with said curved portion.

2. In combination with a bar pin having an eye at the butt end thereof and opening toward the pointed end thereof, a pivot mounting comprising opposed spaced side ears parallel to the median plane of the eye and confining the eye therebetween, an arched wall between the ears and extending into the eye through the opening therein, and means engaging the eye externally thereof for maintaining the eye in operative cooperation with the arched wall.

3. The structure according to claim 2, wherein said arched wall comprises a tongue terminating within the eye, and wherein said means comprises a second tongue terminating externally of the eye in opposition to said arched wall.

4. A pivot mounting for an open eye of a bar pin comprising a U-shaped member for receiving the eye between the opposed sides thereof, a tongue extending from the base of the U-shaped member and terminating in a curved end for extending through the opening in the eye and terminating within the eye, and a second tongue extending from the base and terminating in spaced relation to said curved end of the first tongue.

5. A pivot mounting for an open eye of a bar pin comprising a housing having a flat base, flat side walls extending in spaced parallel relation at right angles from the base, an end wall between corresponding edges of the side walls and terminating in a curved eye-engaging and supporting portion between the side walls, and an end wall between the opposed corresponding edges of the side walls and terminating in spaced relation to said curved portion.

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