Aug. 21, 1934. W. C. BOOTS 1,971,094

BRACELET

Filed May 4, 1934

Fig. 1

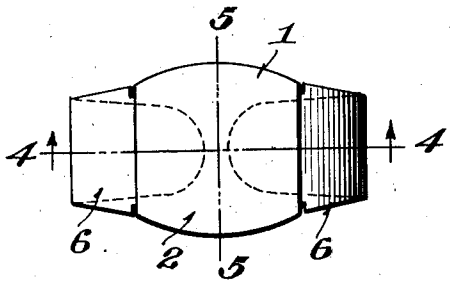


Fig. 2

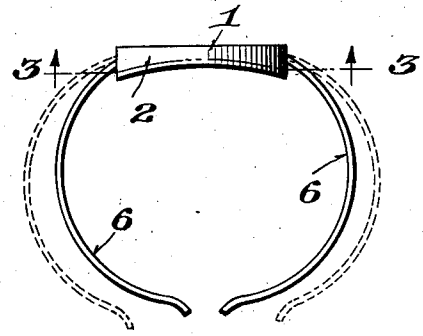


Fig. 3

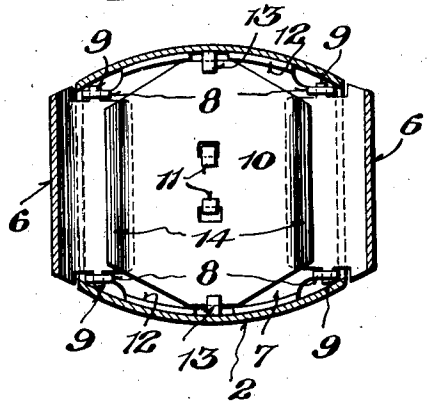


Fig. 4

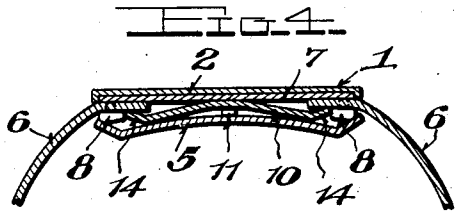


Fig. 5

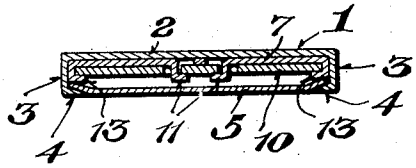


Fig. 6

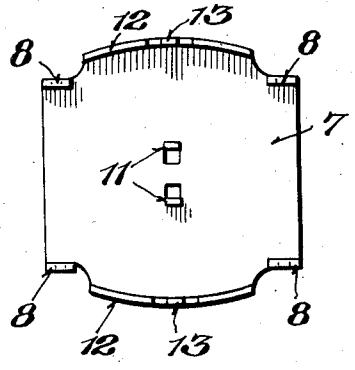
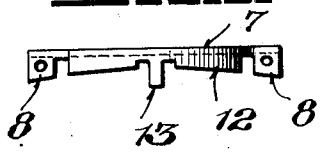


Fig. 7



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Patented Aug. 21, 1934 1,971,094

UNITED STATES PATENT OFFICE

1,971,094

BRACELET

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Application May 4, 1934, Serial No. 723,883

3 Claims. (Cl. 63—11)

This invention relates to bracelets, more particularly of the wing type, which latter are separated in applying and removing the bracelet from the wrist of the wearer, and the primary object of the invention is to provide improved means for mounting the wings and for holding same under tension so as to enable the wings to be easily and quickly operated in removing and applying the bracelet.

A further object of the invention is to provide tensioning means which is positive in action; of maximum durability, and which is not subject to derangement in normal use.

Still further the invention aims to provide tensioning means which can be economically produced and easily and quickly assembled.

In the drawing:

Figure 1 is a top plan view of the invention;

Figure 2 is a side elevation;

Figure 3 is an enlarged section on line 3—3 of Figure 2;

Figure 4 is a like view on line 4—4 of Figure 1;

Figure 5 is also a like view on line 5—5 of Figure 1;

Figure 6 is a plan view of one of the tensioning plates, and

Figure 7 is a side elevation of Figure 6.

In proceeding in accordance with the present invention a head 1 is provided, which has a top plate 2, the sides of which are formed with flanges 3 which latter are turned inwardly at 4 to hold a bottom plate 5, which constitutes the bottom of the head, in position. The wings 6 are of similar construction and are curved to engage about the wrist of the wearer. The tensioning means for the wings consists of a plate 7 which is formed with perforated ears 8 at each of its corners and to which the wings are pivoted, and for which purpose the wings are formed with preferably integral pintles 9 as shown particularly in Figure 3. A spring plate 10 underlies the plate 7 and is secured to the central portion of the latter by means of lugs 11 which are struck out from the plate 7 and are extended through openings provided therefor, in the plate 10 and are clinched into engagement with the latter whereby to hold the two plates in rigid engagement. The sides of the plate 7 are flanged as indicated at 12 the flanges abutting the flanges 3, of the plate 2, and are provided with lugs 13 which latter are bent over into engagement with the plate 10 thereby to additionally connect the plates 7 and 10 as shown in Figure 3. From Figure 4 it will be observed that the inner ends of the wings project into the head 1 and are engaged by the ends 14 of the spring plate 10 which ends are inclined or offset and press against the inner ends of the wings so as to normally hold the latter in the position of Figure 4 against the plate 7. As shown in full lines in Figure 2 the wings 6 have their outer ends held in relatively close relation, and upon spreading of the wings in applying and removing the bracelet the outer ends of the wings occupy the position shown in dotted lines in Figure 2.

From the foregoing it will be observed that the parts are connected without the use of solder or other extraneous fastening means, and that by the provision of a flat spring plate 10 the latter is inherently possessed of great longevity, and is not subject to loss of its spring properties as in the instance of coil springs; and in addition but one spring plate is requred to tension each of the wings. It will furthermore be seen that the wings have uniform movement and can be easily and quickly manipulated in applying and removing the bracelet.

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

1. In a bracelet, a hollow head, a pair of wrist engaging wings having inner ends, a pair of plates within the head one of which is yieldable, means integral with the plates to rigidly connect the central parts of the plates so as to leave the ends of the latter free, the inner ends of the wings being disposed between the plates adjacent the ends of the latter, and means to pivotally connect the sides of the inner ends of the wings to the plate opposite the yieldable plate, the yieldable plate having its ends offset and engaged with the inner ends of the wings to yieldably hold the latter in postion.

2. In a bracelet, a hollow head, a plate in the head, a pair of wrist-engaging wings having ends extending into the head and pivoted to the plate, and a spring plate rigidly connected between its ends to the first named plate and engaged with each of said ends of the wings to yieldably hold the latter in position.

3. In a bracelet, a hollow head, a pair of wrist-engaging wings having ends extending into the head, means to pivotally mount said ends of the wings, a spring plate in the head engaged with each of said ends of the wings to yieldably hold the latter in contracted position, and means to secure the plate in position with the parts thereof engaged with the said wing ends free for yielding movement.

WILLIAM C. BOOTS.