

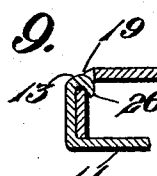
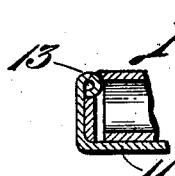
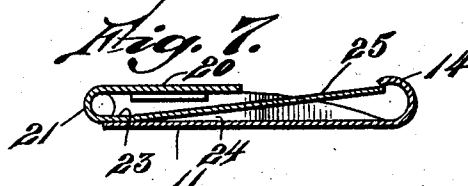
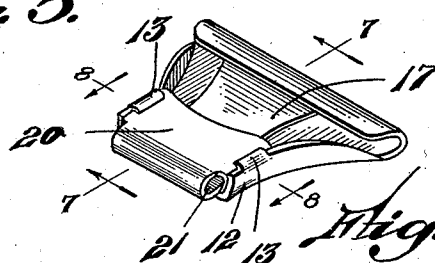
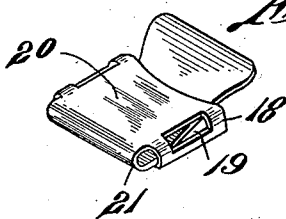
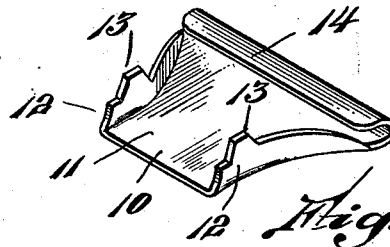
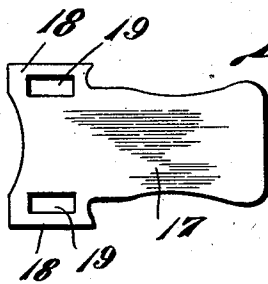
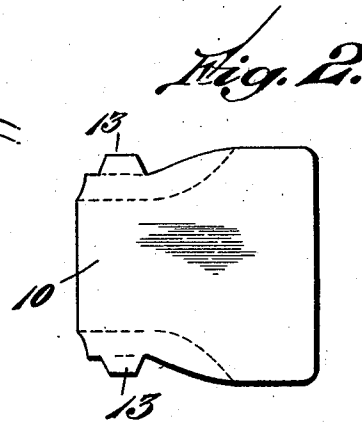
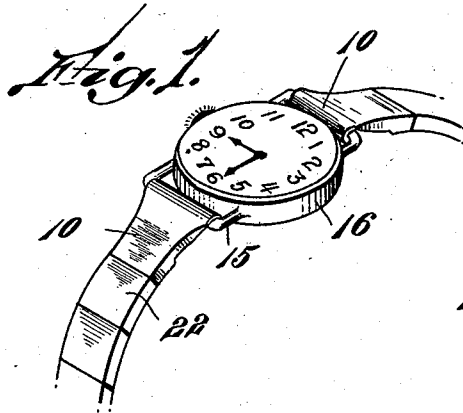
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1,621,325

A. F. KRAEMER

BRACELET HOOK

Filed May 20, 1926



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UNITED STATES PATENT OFFICE.

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BRACELET HOOK.

Application filed May 20, 1926. Serial No. 110,562.

This invention relates to an improved construction of bracelet hook designed primarily to be employed for attaching the ends of a bracelet to a wrist watch and the like; and the object of the invention is to provide a hook of this character having a spring tongue for closing the hook with a portion folded upon itself and connected to the rearwardly extending flange of the body portion of the hook member, and the under folded portion of this tongue being fulcrumed against the inner surface of the front plate of the hook body, whereby the spring tongue is connected to the hook and operatively held in position therein without the use of solder thereby obviating the necessity of employing solder to connect this tongue in position which soldering heat would serve to draw the temper of the spring.

A further object of this invention is the folding of one end of the tongue member upon itself, the outer folded part serving as a closure for the back of the body portion while the under folded portion receives its fulcrum against the inner surface of the front plate.

A still further object of the invention is the piercing of the edges of the outer folded part of the tongue for the reception of the extending parts of the side flanges of the body to connect the tongue in the hook body.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings:

Figure 1 is a perspective view illustrating my improved hook as attached at one end to members of the bracelet and its hook end being connected to the bail of a wrist watch.

Figure 2 is a plan view illustrating a blank as cut from sheet stock to form the body of the hook.

Figure 3 shows this blank as being bent into hook form at one end and with side flanges on the body portion thereof.

Figure 4 is a plan view illustrating a spring tongue member as blanked from resilient sheet stock with laterally extending perforated wings.

Figure 5 shows this spring tongue as

folded into position to be inserted into the body of the hook between its side flanges.

Figure 6 is a perspective view illustrating the spring tongue as inserted into the body of the hook and secured therein by causing extensions on the side flanges of the hook to project into corresponding openings in the folded part of the tongue.

Figure 7 is a central sectional view on line 7—7 of Figure 6.

Figure 8 is a transverse section on line 8—8 of Figure 6 showing the extensions on the side flanges as entering openings in the wings of the folded part of the tongue.

Figure 9 is an enlarged fragmental view showing the fold as illustrated in Figure 8.

Figure 10 is a modification showing the flange extension as folded over a portion of the stock of the wing instead of being rolled therein in the openings as illustrated in Figures 8 and 9.

It is found in the practical construction of bracelet hooks of this character, of advantage to form the hook of as few parts as possible and to connect the tongue member to the hook body member without employing solder heat and by interlocking the parts to provide a strong and durable hook which is adapted to be manufactured in a practical and inexpensive way; and the following is a detailed description of the present embodiment of my invention and showing one means by which these advantageous results may be accomplished.

With reference to the drawings 10 designates the body of the hook which is provided with a front plate 11 having rearwardly turned side flanges 12 formed adjacent one edge thereon. These side flanges having bendable projecting wedge-shaped fingers 13 for the purpose presently described.

The forward end of this front plate 11 is folded into hook shape as at 14 which is adapted to engage the bail portion 15 of a wrist watch 16 or other similar device.

A spring tongue member 17 is formed for this hook preferably from sheet stock into the shape best illustrated in Figure 4, the same having side wings 18 each of which is perforated or slotted as at 19. This rear end is then folded back upon itself as best illustrated in Figure 5 the outer folded part 20 serving as a back plate to close the back

of the hook body, the side wings 18 being folded inwardly to fit between the side walls 12 and rest against the inner face of the front plate 11 of the hook body, and in order to firmly secure this tongue in the body I fold the extending fingers 13 into these openings 19, which locks the tongue in the body. This tongue at the fold is arranged to extend beyond the end of the side flanges 12 to form a transverse loop 21 by which the next adjacent bracelet element 22 may be secured to the hook. The under folded part 23 of this tongue portion is arranged to engage and be fulcrumed against the inner surface 24 of the back plate 11 of the hook and then extend forwardly as at 25 to close the hook, whereby it is only necessary to depress this tongue 25 to permit the hook to be connected to and disconnected from the watch bail.

In some cases the fingers 13 which extend through the opening 19 in the tongue are rolled thereinto, as best illustrated in Figures 8 and 9 while in other cases the extremities 26 of these fingers 13 may extend through the opening 19 and engage the inner face thereof to bind the tongue plate in position therein. It will be noticed that the fingers are wedge-shaped so that the further they are rolled into the openings, the tighter they become and prevent a longitudinal movement of the tongue.

My improved bracelet hook is very simple and practical in construction and is strong and durable and inexpensive to manufacture.

The foregoing description is directed solely towards the construction illustrated, but I desire it to be understood that I reserve the privilege of resorting to all the mechanical changes to which the device is susceptible, the invention being defined and limited only by the terms of the appended claims.

Claims:

1. A sheet metal bracelet hook formed of a body portion having a front plate with side flange and having a hook at one end thereof, and a spring tongue having one end portion arranged to close the hook, its opposite end portion being fulcrumed against the inner surface of said front plate and having a part folded upon itself and retained in operating position by said body flanges.

2. A sheet metal bracelet hook formed of a body portion having a front plate with rearwardly turned side flanges, said plate

being folded into a hook shape at one end, a spring tongue having one end portion folded upon itself the outer folded portion being fulcrumed against said front plate and arranged to extend forward to close said hook.

3. A sheet metal bracelet hook formed of a body portion having a front plate with rearwardly turned side flanges, said plate being formed into a hook at one end, a spring tongue having one end portion folded upon itself providing a closing back plate for the body portion and engaged by said side flanges to operatively retain said tongue in position, the under folded portion of the tongue being fulcrumed on said front plate and extending forward to close the hook.

4. A sheet metal bracelet hook formed of a body portion having a front plate with rearwardly turned side flanges, said plate being formed into a hook at one end, a spring tongue having one end portion folded upon itself providing a closing back plate said fold being provided with openings into which portions of said flanges extend to lock the tongue in position in the body, the under folded portion of the tongue being fulcrumed on said front plate and extending forward to close the hook.

5. A sheet metal bracelet hook formed of a body portion having a front plate with rearwardly turned side flanges having extensions thereon, and said plate extending forwardly and folded to form a hook, a spring tongue formed of sheet stock with perforated wings adjacent its rear end, said rear end being folded upon itself the outer fold providing a back for the hook body, said outer folded part having inturned flanges and said flanged extensions on the hook body being folded into the opening in said wings to lock the tongue to the body, the under folded portion of the tongue being fulcrumed on said front plate and extending forward to close the hook.

6. A bracelet hook comprising a body portion having front and rear plates, side flanges on each of said plates extending toward the other plates, one of said side flanges having openings and wedge-shaped fingers on the other side flange extending into said openings to lock the plates together against relative longitudinal movement.

In testimony whereof I affix my signature.
AUGUST F. KRAEMER.