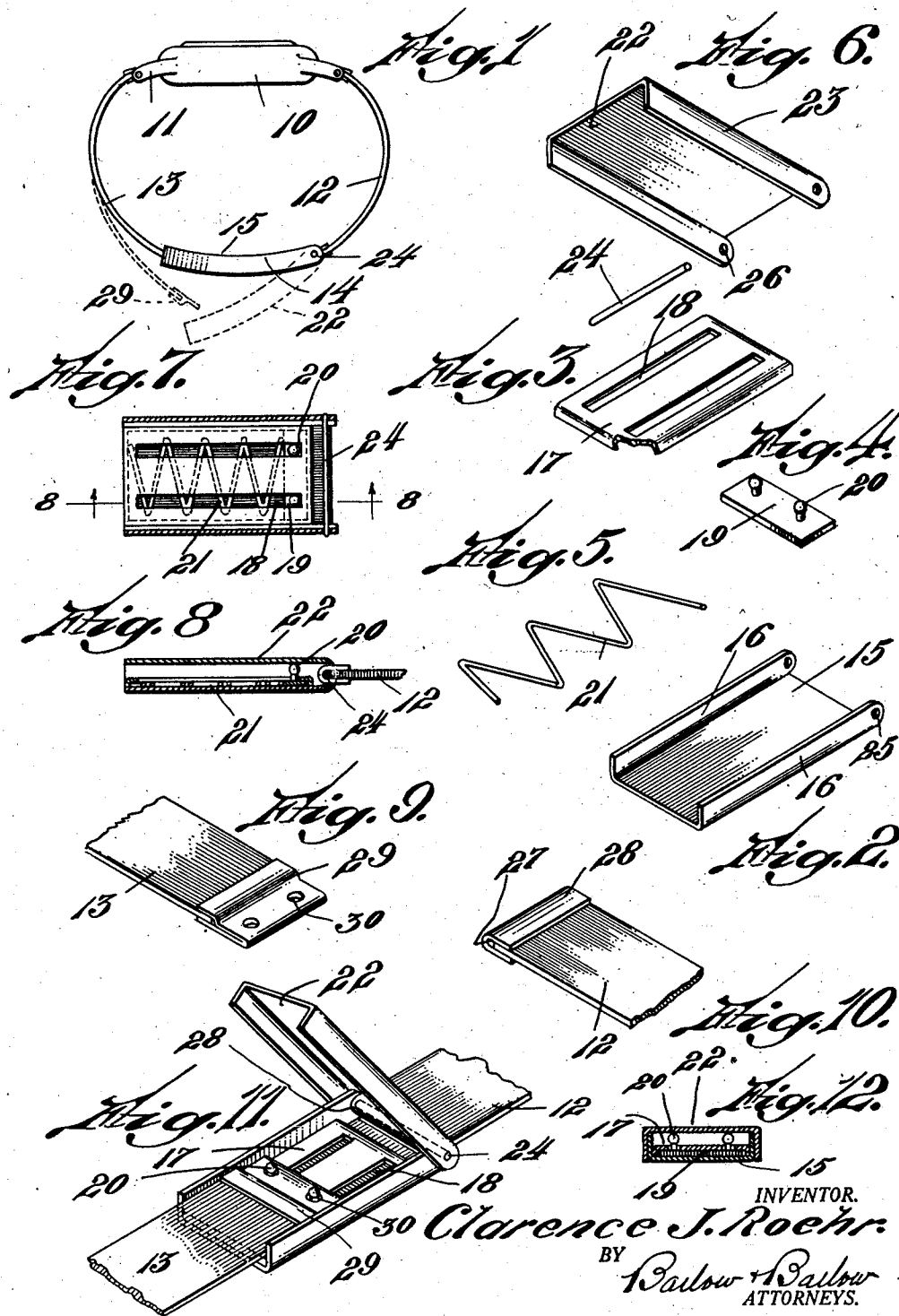


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C. J. ROEHR
BRACELET EXTENSION MEMBER

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UNITED STATES PATENT OFFICE.

CLARENCE J. ROEHR, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO THE BASSETT JEWELRY CO., OF PROVIDENCE, RHODE ISLAND, A CORPORATION OF NEW JERSEY.

BRACELET EXTENSION MEMBER.

Application filed August 7, 1926. Serial No. 127,846.

This invention relates to an improved construction of extension member to be interposed between the ends of a bracelet more particularly a watch bracelet; and the object of this invention is to construct an extension member of this character so that it will permit a yielding extension of the bracelet in a direction of its length to permit the same to be passed over the hand of the wearer without detachment of any of its parts.

A further object of the invention is to provide in such an extension member a means for detachably connecting one of the ends of the bracelet strap whereby the same may be detached to form the extension member to remove the bracelet from the wrist.

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 side elevation illustrating my extension member as interposed between the ends of wrist watch strap, the same being illustrated in dotted lines in open position for the detachment of one of the strap parts therefrom.

Figure 2 is a perspective view of the bottom section of the extension member.

Figure 3 is a perspective view of the deck plate which is mounted in the trough shaped bottom section.

Figure 4 is a perspective view of the cross head slidable between the deck plate and the bottom section.

Figure 5 is a perspective view of the spring for pressing the cross head towards one end of the bottom section.

Figure 6 is a perspective view of the top section with the hinge pin spaced therefrom for connecting it to the bottom section.

Figure 7 is a sectional plan view of the device.

Figure 8 is a sectional side elevation taken on line 8—8 of Figure 7.

Figure 9 is a perspective view showing an end piece attached to one of the strap parts.

Figure 10 is a perspective view showing an end piece attached to the other strap parts.

Figure 11 is a perspective view showing the sections as swung open on their hinge.

Figure 12 is a sectional end view of the device showing the relative position of the cross head member therein.

It is found in bracelet constructions, which are especially adapted for wrist watch bracelets, desirable to provide a device interposed between the ends of the bracelet by which the effective working length of the bracelet, for holding the watch snugly to the wrist of the wearer, may be yieldingly extended to permit the bracelet to be passed over the hand of the wearer without detaching any of the parts from each other or from the watch. It is also found desirable to provide a construction by which one of the strap parts may be detached from the extension device to permit the watch to be taken from the wrist without passing the same over the hand of the wearer, and to accomplish this I have provided a spring pressed cross head slidable in the device to which one of the bracelet parts may be detachably connected and the following is a detailed description of the present embodiment of the invention showing one construction of extension member by which these advantageous results may be accomplished.

With reference to the drawings, 10 designates the wrist watch having bails 11 to which strap parts 12 and 13 may be attached. An extension member 14 is suitably interposed between and connected to the opposite ends of these strap parts, and comprises a bottom section 15 having side walls 16 forming the same substantially trough shape and in which is mounted a deck plate 17 having longitudinally disposed slots 18 therein. Beneath the deck plate there is slidably mounted a cross head member 19 which has projections 20 extending through the slots 18 to be guided therein.

A spring 21 tends to move the cross head so that the strap part connected there contracts the size of the bracelet. A top section 22 is hingedly connected to one end of the bottom section and has side walls 23 to telescopically engage the side walls 16 of the bottom section, and is retained in closed position by friction between the same. A pin 24 extends through the openings 25 and 26 in the bottom and top sections to hingedly connect them together and also passes through an opening 27 in the end piece 28

attached to the strap part 12 to permanently secure this part to the extension device thereto. An end piece 29 is provided on the other strap part 13 which has openings 30 to receive the projections or pins 20, it being understood that the closing of the top section 22 over the bottom section engages the end of the pins 20 or is in such close proximity to the ends of the projections 20 that the end piece 29 is prevented from disengagement with the projections. See Figures 8 and 12, which illustrate the relative position of the top section to the projections on the cross head.

From the foregoing it will be seen that the watch bracelet strap may be yieldingly extended in the direction of this length against the tension of the spring 21 to enlarge the size of the bracelet to permit it to be passed over the hand of the wearer, without detaching any of its parts however, if it is desired to remove the bracelet without passing the same over the hand of the wearer the top section 22 may be opened and the strap part 13 disengaged from the cross head as illustrated in dotted lines in Figure 1 to permit such action.

It will also be seen that by means of the spring for drawing the strap part 13 into the extension member that the bracelet is automatically contracted and will snugly fit a wrist of any size.

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.

I claim:

1. In a watch bracelet strap having two parts, an extension device comprising a trough shaped section, a deck plate having a slot therein, a cross head slidable between said plate and section, a projection carried by said cross head extending through and guided in its sliding movement in said slot, an end portion of one of said strap parts having an opening to receive said projection, a top plate hinged to said section to close

thereover to prevent disengagement of said strap part end from said projection, a spring for moving said cross head to resiliently draw said strap end into said device and permit yielding extension thereof, and the other of said strap parts being fixed to the said section at its hinge connection to the top plate.

2. In a watch bracelet strap having two parts, an extension device comprising a section, a pivot pin for securing one of said parts thereto, a deck plate in said section having a plurality of longitudinally-disposed slots, a cross head member slidable beneath said deck plate, a plurality of pins carried by said member extending through and guided in said slots, a spring beneath said plate for moving said member towards said strap part, means for detachably connecting the other of said strap parts to said pins, said detachably connected strap part being extendible against the action of said spring to enlarge the bracelet to permit it to be passed over the hand of the wearer, and a cover mounted on said pivot pin to close over said section and prevent disengagement of said detachably connected strap part from said cross head.

3. In a watch bracelet strap having two parts, an extension device comprising a section, a pivot pin securing one of said parts thereto, a deck plate in said section having a plurality of longitudinally disposed slots, a cross head member slidable beneath said deck plate, a plurality of pins carried by said crosshead member extending through and guided in said slots, a spring beneath said plate for moving said member toward one of said strap parts, means for detachably connecting the other of said strap parts to said pins, said detachable strap part being extendible against the action of said spring to enlarge the bracelet for passing it over the hand of the wearer, and a cover mounted on said pivot pin closing over said section and said pins to prevent disengagement of said detachable strap part from said cross head.

In testimony whereof I affix my signature.

CLARENCE J. ROEHR.