

Sept. 16, 1924.

1,508,612

J. E. POTTER

BRACELET HOOK

Filed March 4, 1924

Fig. 1

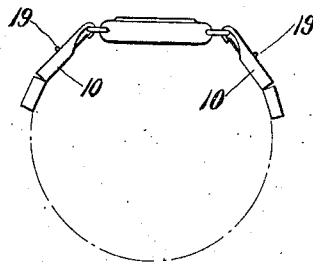


Fig. 2

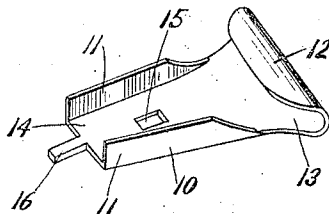


Fig. 3

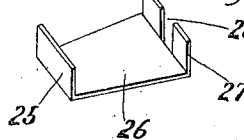


Fig. 4

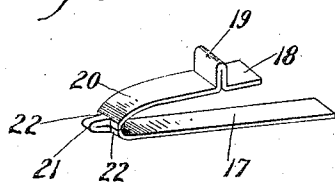


Fig. 5

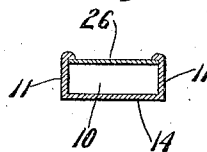


Fig. 6

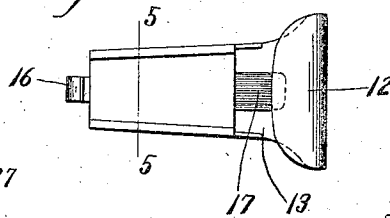
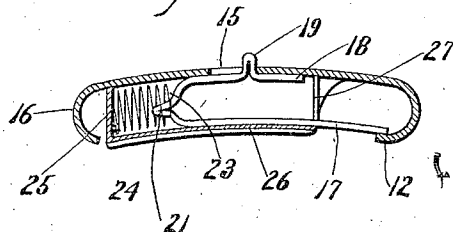


Fig. 7



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UNITED STATES PATENT OFFICE.

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BRACELET HOOK.

Application filed March 4, 1924. Serial No. 696,914.

To all whom it may concern:

Be it known that I, JAMES E. POTTER, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Bracelet Hooks, of which the following is a specification.

This invention relates to a hook or connector which is adapted more particularly for attaching the ends of a bracelet to a wrist watch and the like, and the object of this invention is to provide a simple and practical construction of such a hook or connector having a slidable tongue for closing the hook.

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 of a watch showing the ends of a bracelet as connected thereto by my improved hook or connector.

Figure 2 is a perspective view showing the body portion and the hook portion of the connector as attached to the body portion by a shank portion.

Figure 3 is a perspective view of the under side of the back plate and end walls of the body member detached and in inverted position.

Figure 4 is a perspective view showing the endways hook-closing tongue detached.

Figure 5 is a section on line 5—5 of Figure 6 showing the end of the body portion with the back plate secured thereto by rolling the edges of the side walls over those of the back plate.

Figure 6 is a view of the under side of the connector member.

Figure 7 is a central sectional side elevation of my improved hook or connector.

It is found in the practical construction and operation of hook members of this character which are designed to attach the ends of link bracelets to a watch or other article, of advantage to provide an endways slidable tongue member in the body of the hook whereby the tongue may be withdrawn to permit the hook to be attached and detached to and from the watch and when this tongue is released it is permitted to automatically move to close the hook to lock it in engaged

position; and the following is a detailed description of one construction of hook by which this result may be accomplished:—

With reference to the drawing, 10 designates the body of a hook or connector which is provided with rearwardly turned side walls 11 and a hook member 12 is connected to this body portion through the shank portion 13.

The front plate 14 of this hook member is provided with an opening 15 for the purpose presently described and the rear end of this front plate is provided with a tongue 16 which may be rolled or folded into eye form as best illustrated in Figure 7 by which the body of this hook member may be connected to the next adjacent element of the chain or bracelet.

In order to provide a tongue member for closing the hook, I have provided a strip of resilient sheet stock which is folded upon itself forming a long arm 17 which is adapted to extend forwardly to close the mouth of the hook 12 also a short arm 18 which is bent or folded upwardly as at 19 to form an operating projection adapted to extend through the opening 15 in the front plate of the hook and in which opening it is adapted to slide for the purpose of locking and unlocking the entering mouth of the hook.

At the fold 20 where these arms 17 and 18 are connected together the stock has been slightly reduced laterally to form an extending portion 21 and lateral shoulders 22 on either side thereof against which one end 23 of the operating coiled spring 24 may rest, the opposite end of the coiled spring engaging the rear wall 25 of the back plate 26, which plate also has an opposite end wall 27 slotted at 28 to permit the passage of the hook-closing arm 17 therethrough.

This slot serves as one guide for this arm 17 while the opening 15 through which the extension 19 projects serves as a second guide for the endways slidable action of this tongue member.

The spring 24 acting on the tongue serves to normally press the same to closed position and when withdrawn by engagement with the operating member 19 and again released it will at once jump back to its forward position to close and lock the hook.

In securing this back plate 26 in position in the body of the hook, I set the plate between the side walls 11 and preferably roll

the edges of these walls over the edges of the back plate, but any other means for securing this back plate in position in the body member may be employed.

5 My improved hook is very simple and practical in construction and effective in its operation and by its use the hook is securely locked in position by simply releasing the tongue after it has been withdrawn.

10 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:

20 1. A bracelet connector member comprising a body portion having side walls and a hook portion at one end of said body portion, a spring tongue in the body having a forwardly-extending arm for closing the hook, and a back plate having end walls 25 through one of which said tongue extends, said plate being secured between the side walls of said body.

2. A bracelet connector member comprising a body having side walls and having 30 a hook portion at one end thereof, an endways slidable flexible hook-closing tongue in said body, and a back plate having end walls and secured between the side walls of said body, said tongue extending

35 through a slot in one of said end walls and yieldable in said slot to permit attachment of said hook.

3. A connector comprising a body having side walls, a hook at one end of the body, an endways slidable tongue in said body for normally closing said hook, a spring in said body for urging said tongue to closed position, and a back plate for said body secured to said side walls for housing said tongue between said body and back plate. 45

4. A connector comprising a body having side walls, a hook secured to said body at one end thereof, an endways slidable tongue in said body for normally closing said hook, a spring in said body for urging said tongue to closed position, and a back plate for said body having end walls and secured to the body by folded-over edges of said side walls. 50

5. A bracelet connector member comprising a body having an opening in its front plate, a hook at one end of the body, a closure tongue slidably mounted in said body and folded upon itself forming two arms one extending forward to close the hook and the other having an operating projection extending through the opening in the front plate, a spring pressing said tongue to closed position, and a back plate for operatively securing said spring and tongue in said body. 55 60 65

In testimony whereof I affix my signature.

JAMES E. POTTER.