Jan. 5, 1926. 1,568,617

C. H. PATTEN

EXTENSION ATTACHMENT FOR FLEXIBLE BRACELETS

Filed March 5, 1925

Fig. 1.

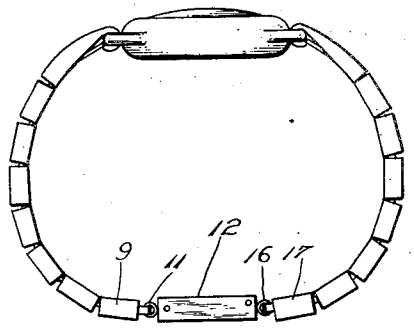


Fig. 10.

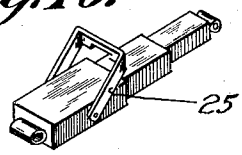


Fig. 2.

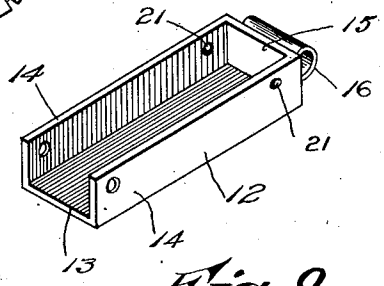
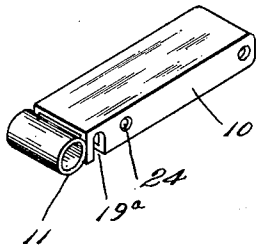


Fig. 3.



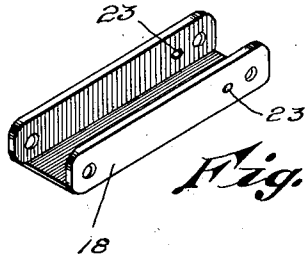


Fig. 4.

Fig. 9.

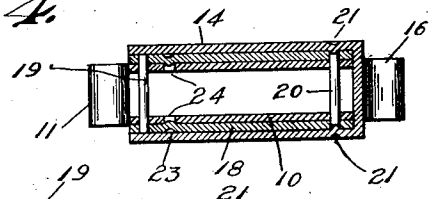
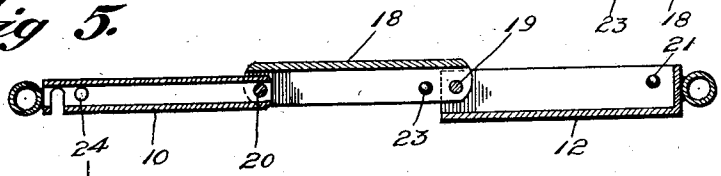


Fig 5.



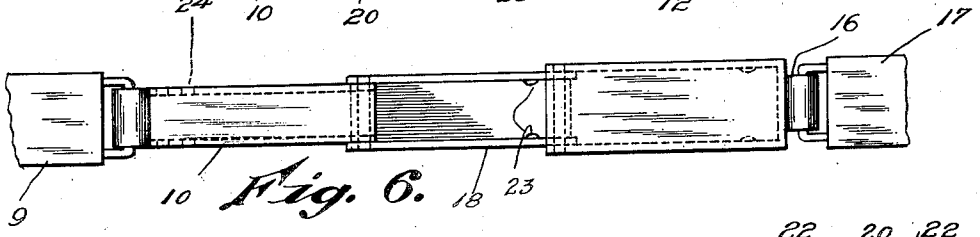
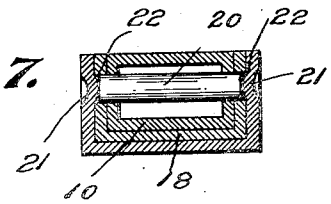


Fig. 6.

Fig. 7.



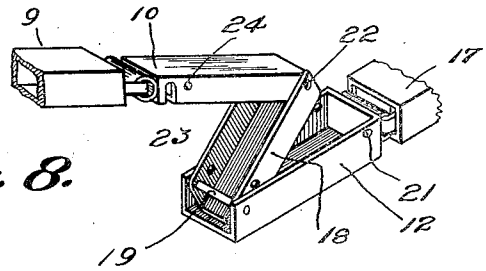


Fig. 8.

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ATTORNEYS.

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UNITED STATES PATENT OFFICE.

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EXTENSION ATTACHMENT FOR FLEXIBLE BRACELETS.

Application filed March 5, 1925. Serial No. 13,125.

To all whom it may concern:

Be it known that I, CHARLES H. PATTEN, 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 Extension Attachments for Flexible Bracelets, of which the following is a specification.

This invention relates to an extension attachment for flexible bracelets, whereby its operating length may be readily extended; and the object of this invention is to provide such an extendible member in the bracelet which is interposed between the ends thereof and comprising a plurality of links or members adapted to be moved end to end from contracted to extended position to temporarily lengthen the bracelet to facilitate its being passed over the hand onto the arm of the wearer.

A further object of this invention is to so construct these extension links or members which are preferably in somewhat of a box or trough form so that they are adapted to nest one within the other when in folded position, to be less conspicuous and to simulate the links of the bracelet to which they are attached.

A still further object of the invention is to pivot the opposite ends of the link of this extendible member whereby they may be folded endwise one upon the other so that they will normally take up the minimum amount of space, these members being adapted to be unfolded by being swung back upon their pivots to extend their length end to end to temporarily lengthen the bracelet to permit its ready passage over the hand onto the arm of the wearer after which it may be folded back into its contracted position.

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 showing my improved extension member as inserted into a bracelet intermediate its ends.

Figure 2 is a perspective view of one of the end foldable links showing an eye attached to one end thereof to which the links of the bracelet may be connected.

Figure 3 is a perspective view showing the opposite end link of my improved extendible member also showing an eye to which the bracelet link may be attached.

Figure 4 illustrates an intermediate connecting link which is adapted to be pivoted to the adjacent ends of each of the end links.

Figure 5 is a central sectional side elevation illustrating these three links as pivotally connected together.

Figure 6 is a top view of the extension links as illustrated in Figure 5 and showing the end links as connected to other links of the bracelet.

Figure 7 is an enlarged sectional end view at one of the pivot points of the extension member showing all of the members as nesting one within the other.

Figure 8 is a perspective view illustrating the extension members as in partly folded position.

Figure 9 is a top view partly in section showing the links of the extendible member as folded and nested one within the other.

Figure 10 is a perspective view of a modified construction of extension member showing the links thereof as telescoping one within the other.

It is found in the practical construction and operation of flexible link bracelets, particularly those of the extendible type, difficult to provide sufficient extendibility in the bracelet to permit it to be readily passed over the hand onto the arm of the wearer, and, therefore, the bracelet must be unhooked from the watch, if it is of the watch type of bracelet, and it is found that this unhooking action often excessively stretches and so injures the bracelet as to require repairs; and to obviate this difficulty, I have provided an extension link intermediate the ends of the bracelet and I preferably form this link of a type to resemble or simulate those of the bracelet and where a box type of bracelet is employed, I preferably form this extension member of a set of approximately box-shaped links and pivotally connect their ends together, these links being so arranged as to be folded endwise one upon the other to nest one within the other occupying the minimum amount of space and at the same time adapted to be unfolded and extended end to end to extend the length of the bracelet as to permit it to be readily passed over

the hand of the wearer and subsequently folded into compact position to reduce the length of the bracelet to its normal or operating length; and the following is a detailed description of the present embodiment of my invention and showing one construction of bracelet by which these advantageous results may be accomplished:—

With reference to the drawings, 10 designates one of the end links of my improved bracelet extension member, which link is, in this particular type of bracelet formed preferably of a short length of rectangular tubing and is provided with a loop or eye member 11 at one end thereof adapted to be linked or connected to the adjacent link 9, the opposite end of my improved extendible member being as herein shown, a channel shaped member 12 having a bottom wall 13, side walls 14 and one end wall 15. On this end wall is secured an eye or loop member 16 into which the next adjacent link 17 of the bracelet may be connected. When but three links are employed in my extendible member, I have provided a single intermediate or connecting link 18 of trough shape, one end of this link being pivoted at 19 between the walls 14 of the link 12 and the walls of its opposite end being set to straddle and are pivoted to the adjacent end of the link 10 by a pivot 20.

Near the outer end of the link 12, I have provided inwardly-extending detent protuberances 21 in the walls thereof which are adapted to engage recesses 22 in the walls of the link 18 which are formed preferably at the pivot pin opening, as best illustrated in Figure 7, and I have also provided inwardly-extending protuberances 23 in the opposite walls of the connecting link 18, whereby when folded into the position illustrated in Figure 9 these protuberances snap into corresponding recesses 24 in the next adjacent link serving to releasably retain these members in folded and nested position until engaged and swung outwardly on their respective pivots into extending position. When folded the pivot pin 19 is received in slot 19^a in the link 10.

By the use of my improved extendible coupling member the operating length of the bracelet may be temporarily lengthened to permit the bracelet to be readily passed over the hand onto the arm of the wearer and the links of this extendible member may be formed of trough or box shape so that they may be readily folded end over end one upon the other to nest one into the other and so be reduced to the minimum length at the same time this member may be constructed to, in a measure, simulate the other links of the bracelet to render this extendible member quite inconspicuous, or in some instances, the links of the extension member may be formed to telescope one within the other, as shown in Figure 10, a bail 25 being provided to swing down over the end of the links when housed to retain them in that position.

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 flexible bracelet, an extendible member comprising a series of connected nesting members having frictional means between the walls of said members for holding them in engagement and adapted to be moved to an end to end extended position to temporarily lengthen the bracelet.

2. In a flexible bracelet, an extendible member comprising a plurality of links having side walls pivotally connected together to be folded endways one upon the other and to be unfolded to temporarily lengthen the bracelet and having recesses in their side walls, and the adjacent connected links having protuberances to snap into said recesses for retaining said links in folded position.

3. In a link bracelet, an extendible member comprising a plurality of members arranged to normally nest one within the other and movable to an end to end extended position to temporarily lengthen the bracelet, and cooperating frictional detent and recess means in the walls of said members for releasably retaining them in nested position.

4. In a flexible bracelet, an extension comprising a channel member having means at one end for connecting it to a bracelet, a tubular member having connecting means at one end, and an intermediate channel member connecting the opposite ends of the two said members, said members normally nesting one within the other and adapted to be moved to an end to end extended position to temporarily lengthen the bracelet.

5. In a flexible bracelet, an extension comprising a channel member having means at one end for connecting it to a bracelet, a tubular member having connecting means at one end and an intermediate channel member connecting the opposite ends of the two said members, said members normally nesting one within the other and adapted to be moved to an end to end extended position to temporarily lengthen the bracelet, said members having recess and detent means between them for retaining them in nested position.

6. In a flexible bracelet, an extendible member comprising a plurality of links, each having an outer lateral dimension substantially that of the inner lateral dimension of the next adjacent link, and arranged to nest within and be frictionally engaged

by the wall of the next link and releasably retained in nested position, said links being movable to an end to end position to temporarily lengthen the bracelet.

7. In a flexible bracelet, an extendible member comprising a body member and a plurality of link members, each having side and top walls in nested position, said link members being arranged to be normally housed in said body member and detent means carried by the side walls for holding said members in housed position, said body and links being movable to an end to end extended position to temporarily lengthen the bracelet.

In testimony whereof I affix my signature.

CHARLES H. PATTEN.