

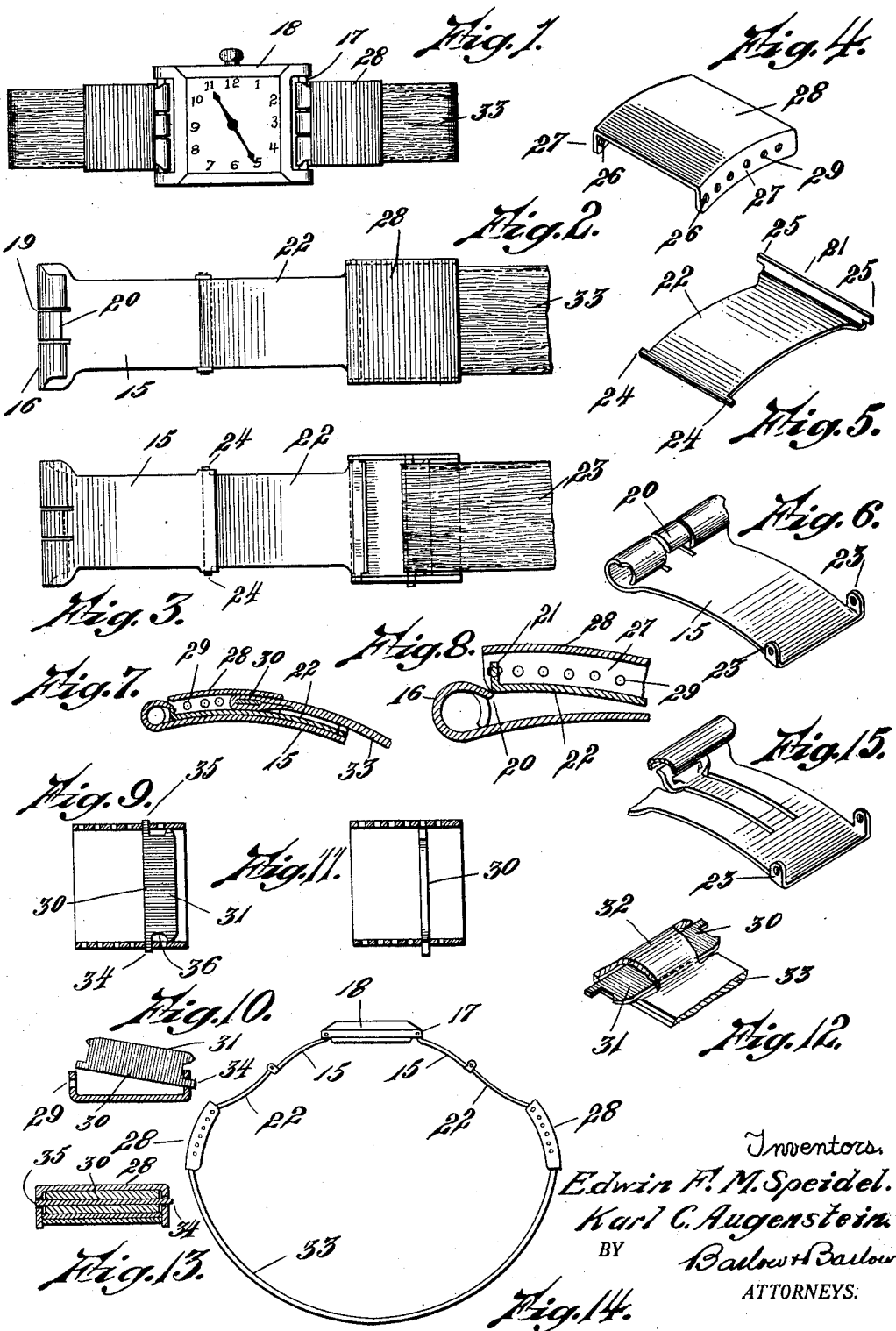
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EXTENSION DEVICE

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EXTENSION DEVICE

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This invention relates to an improved construction of watch bracelet or strap having extendible members at its opposite ends through which these ends are connected to opposite sides of a wrist watch; and the object of this invention is to provide such an extendible member or device for a wrist watch strap having a plurality of parts pivotally connected to swing an end-to-end position and back to be folded one upon the other, one of the parts of the strap having a watch bail engaging loop or member and also having an integral resilient detent lip for releasably retaining the parts in folded position.

A further object of the invention is the forming of one of these folded parts of the extendible device with side flanges pierced at intervals along its length and having a cross bar plate to which the opposite end of a watch strap is attached this plate having trunnions to engage the different piercings in the flanges, the plate being shaped to permit an endways movement of the bar when in one position and being of a length to fit closely between the side flanges to lock the trunnions against release when swung down to working position, whereby when this bar plate is swung outwardly it may be removed and repositioned in the desired holes along the length of the member to regulate the working length of the watch strap.

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:

Fig. 1 is a front view showing our improved watch strap as being provided with extendible members which are attached to opposite sides of a watch.

Fig. 2 shows one of the extendible members in extended position.

Fig. 3 shows the under side of this extendible member.

Fig. 4 is a perspective view showing one of the outer end members as formed in channel shape.

Fig. 5 shows the intermediate foldable member.

Fig. 6 shows the inner end member having a loop formed at one end to engage the bail of a watch and showing the retaining spring lip.

Fig. 7 is a sectional edge view showing all of the members in folded position.

Fig. 8 is an enlarged sectional view showing the members as folded one upon the other with the intermediate member in position to be snapped beneath the retaining finger on the loop of the inner end member.

Fig. 9 shows the cross bar plate as being of a length to swing down between the side flanges of the outer end member to lock its trunnions against being removed from the flange piercings.

Fig. 10 shows the cross bar plate as swung up and one end as being tipped up to remove the trunnions from the piercings in the side flanges of the outer member.

Fig. 11 is an edge view of the bar plate in the position illustrated in Fig. 10.

Fig. 12 is an end view partly broken away showing the bar plate as fitting into the loop or eye in the end of the strap.

Fig. 13 is a sectional end view showing all of the members when folded as being retained between the side flanges of the outer end member.

Fig. 14 is a view illustrating the two extendible devices as attached to the end of a watch strap to temporarily enlarge the strap to be passed over the hand of the wearer.

Fig. 15 is a modification showing the extremity of the inner end member as rolled to form a watch bail engaging a hook, and the body of the member as being slotted to provide a spring tongue for closing the hook.

It is found in the practical construction of watch straps particularly those worn by men, of advantage to provide extendible members on opposite ends of the strap thru which the strap is connected to opposite sides of the wrist watch, whereby by unfolding these extendible members the length of the strap may be temporarily extended sufficiently to pass over the usually large hand of the man wearing the watch and that without discon-

necting the strap so as to render unnecessary the complete separation of the strap and so prevent accidental dropping and injury to the watch; and to accomplish this in a simple and effective way, we have formed both of the extendible devices in three parts whereby a considerable expansion of each is obtained, one of the parts being provided with a hook or loop and the other arranged for attachment to the bail of the watch and this loop or hook portion is preferably provided with a resilient finger or other retaining member for engaging one of the other folding parts to retain the whole device in folded position. Also it is found of advantage to provide simple and effective means for adjusting the working length of the strap and this we have accomplished by providing pierced side flanges on the outer end member and in these piercings we have adjustably mounted a bar plate adapted to extend thru the loop or eye in the end of the strap, the bar plate being arranged and so constructed that when turned up at right angles to the plane of its member this bar may be slid endwise to remove its trunnions and re-position them in any of the piercings along the length of these flanges, and when turned down into working position this bar is locked against removal; and the following is a detailed description of the present embodiment of our invention and showing one means by which these advantageous results may be accomplished:

With reference to the drawings, 15 designates the inner end member of the extendible device which is herein shown as being formed of sheet stock with one end rolled to form an eye or loop portion 16 for engaging the bail 17 of a wrist watch 18. This loop portion is preferably slotted as at 19 forming a resilient finger 20 which extends outwardly beyond the periphery of the loop, as best illustrated in Fig. 8, and into position to permit the upturned end 21 of the intermediate member 22 to be snapped beneath the same into the position best illustrated in Fig. 7.

The opposite end of this inner end member is provided with a pair of upwardly extending pivot ears 23; the intermediate member 22 is also preferably formed of a thin sheet stock and has a pair of pivots 24 formed at one end to engage the ears 23 of the member 15. The upturned end 21 of this intermediate member is also provided with pivot extensions 25 to engage the end piercings 26 in the flanges 27 of the outer end plate 28.

By this construction, it will be seen that the intermediate member 22 may be folded upon the member 15 and the outer member 28 may be folded over the whole and the two plates 15 and 22 will lie between the side flanges 27 of the outer plate.

It is found in practice of advantage to be able to adjust the working length of the strap so as to fit the wrists of different users, and

to effect this in a simple and effective way, we have provided piercings 29 along the length of the side flanges 27 and we have provided a cross bar 30 constructed in the form of a plate having a broad surface 31 to fit into the eye 32 of the strap 33 and so prevent the same from rotating in this strap eye or loop.

This bar plate is formed with laterally extending trunnions 34 and 35, the trunnion 34 being of a length greater than trunnion 35. This plate is of a length so that when turned down into the channel between the side flanges it will fit closely therein and so prevent lateral movement thereof and this plate is cut away as at 36 on one of its ends adjacent the trunnion 34 so that when swung up on its pivots into the position illustrated in Fig. 10 this bar plate may slide endwise sufficiently to remove the shorter trunnion from its piercings and then by tipping this end up the whole may be withdrawn and set into any of the other piercings to either lengthen or shorten the operating length of the strap. After the bar has been so positioned, it may be swung back between the flanges where it is normally held by the tension of the strap to securely lock the same against being accidentally removed.

Our improved watch strap having an extendible device at either end through which the strap is attached to opposite sides of a watch permits the strap to be readily enlarged temporarily so as to permit it to be freely passed over the hand of the wearer and by means of the cross bar plate in one of the members of each extendible device the operating length of the strap may also be readily adjusted to nicely fit the wrists of the different wearers.

The foregoing description is directed solely towards the construction illustrated, but we desire it to be understood that we 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.

We claim:

1. An extension device for a wrist encircling strap comprising a plurality of sections hinged together and foldable one on another, one of said sections being formed into an eye at its end for attachment to the lug of a wrist watch, said eye being slit and a portion adjacent said slit bent to form a resilient catch to hold said sections in folded position.

2. An extension device for a wrist encircling strap comprising a pair of end sections, means for attaching a wrist strap to one end section, said other end section being of sheet metal plate form with one end folded to receive a portion of a wrist watch, and an intermediate section hingedly secured at its ends to said end sections whereby the sections may be folded one upon the other, said

folded portions being slit and a portion de-
flected at said slit to form a resilient catch
to hold said sections in folded position.

In testimony whereof we affix our signa-
5 tures.

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