Dec. 15, 1931. B. ROSSMAN 1,836,772

BRACELET END CONNECTER

Filed June 11, 1930

Fig. 1.

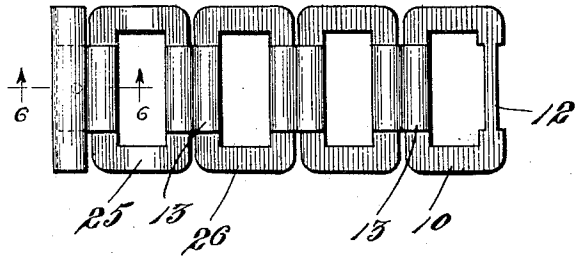


Fig. 4.

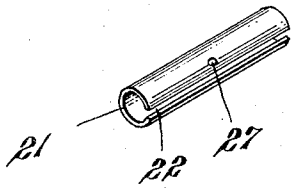


Fig. 3.

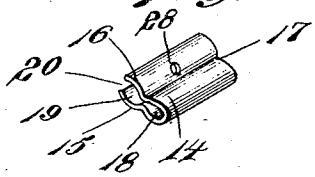


Fig. 2.

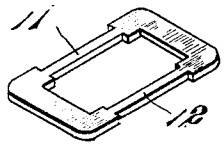


Fig. 5.

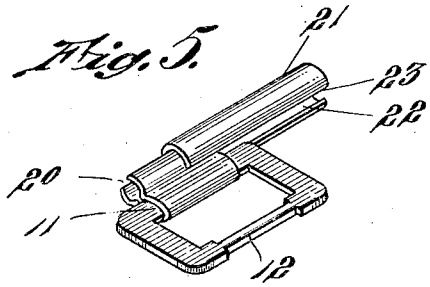
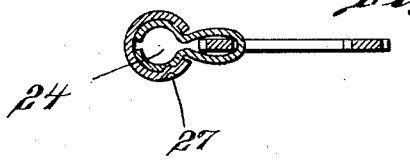


Fig. 6.



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1,836,772

UNITED STATES PATENT OFFICE

BENJAMIN ROSSMAN, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO A. & Z. CHAIN COMPANY, A CORPORATION OF RHODE ISLAND

BRACELET END CONNECTER

Application filed June 11, 1930. Serial No. 460,415.

This invention relates to a connecter for the end of a bracelet, particularly adapted for use in securing the end of a link bracelet to a wrist watch, and has for its object to provide a construction in which the connecter may be detached from the end link and secured to the end of another link upon the severance from the bracelet of the original end link to which it is connected.

A further object of this invention is the provision of a construction permitting the interchanging of eyes of varying widths for receiving the cross pin between the lugs of a wrist watch which are of different distances apart.

A still further object of this invention is the provision of a simple construction which may be easily and inexpensively manufactured, but which is strong and durable and will provide an ease of manipulation without the use of tools.

With these and other objects and advantageous features in view, the invention consists of a novel arrangement of parts more fully disclosed in the detailed description following, in conjunction with the accompanying drawings, and more particularly set forth in the appended claims.

In the drawings:

Fig. 1 is a top plan view of a series of connected links with the end connecter which is the subject of this invention in place on one end link;

Fig. 2 is a perspective view of one of the links;

Fig. 3 is a perspective view of one of the members of the connecter;

Fig. 4 is a perspective view of the other member of the connecter;

Fig. 5 is a perspective view of one of the links of the bracelet with one connecter member in position and the other connecter member as partially moved to working position thereon;

Fig. 6 is a section on line 6—6 of Figure 1.

The wrist size of various wearers of bracelets varies, necessitating change of the encircling size of the bracelet for various wearers. It is desirable that bracelets be so constructed that change of the encircling size may be made by the retail jeweler upon the sale of a bracelet or a bracelet and watch to a customer, thus avoiding the necessity of carrying in stock varying lengths of bracelets all of the same particular pattern.

Adjustments in small amounts are usually provided in the buckle or extension device which is common between the ends of the bracelet. There are, however, occasions when it is desirable to decrease the encircling size of the bracelet in an amount equal to one of the links of the bracelet, in which case one of the links of the series are severed from the chain, and parts which connected the severed link must be transferred from this severed link to the next or end link of the series of links that it may function thereon, and in order to accomplish this result, I have provided a simple detachable construction which receives the removable cross pin of the watch and the cross bar of the end link of the bracelet connecting them together; and the following is a detailed description of the present embodiment of this invention illustrating the preferred means by which these advantageous results may be accomplished.

With reference to the drawings, 10 designates a link chain with end cross bars 11 and 12 joined together by a sheet metal band 13 folded about and clinched in position to permanently but hingedly secure the links together. About the end cross bar 11 of the end link of the series I position a member 14 which is of sheet stock folded upon itself to provide arms 15 and 16 each bent inwardly toward the other as at 17 providing two loop portions 18 and 19, the member being somewhat in the shape of a figure 8, the loop 18 being closed and receiving the cross bar 11 of the end link by insertion through the loop portion 19 and the split 20 thereof, which loop portion 19 protrudes beyond the end of the end link with its arms spaced apart.

The other part of the connecter is in the form of a tubular member 21 slotted as at 22 and of a size to slide by an endways movement over the arms of the split loop with its edges 23 in the bent-in portion 17 of the arms 15 and 16 snugly embracing the split loop

portion of the member 14 and closing the split 20, thereby completing the eye and providing an opening 24 for the reception of a pin or the like to attach the same to the lugs of a wrist watch.

When it is desirable to sever a link from the chain for shortening its encircling size, shears may be used to cut the member 13 to detach the end link 25 to which a connecter is attached, the portion 13 being discarded. To detach the connecter, the tube 21 is slid endways from its position of embracing the loop portion 19 and the member 14 is removed from the original end link and placed upon the link 26 next adjacent thereto or the new end link, after which the tubular member is replaced over the loop 19 and is held in position by the detent 27 on the tubular member snapping into the opening 28 in the member 14 to hold the parts in assembled position.

This construction also has the advantage of permitting interchange of tubular members of different lengths for attachment to wrist watches having lugs varying distances apart.

While I have described certain construction forms which embody the principles of my invention, it is obvious that other desired changes in arrangement may be made within the spirit and the scope of the invention as defined in the appended claims.

I claim:

1. An end connecter for a bracelet comprising a one-piece member for detachably receiving between the ends of the member a portion of the end of a bracelet, the ends of said member springing apart by the inherent resiliency thereof, and detachable means engaging said springing-apart ends for retaining said member in engagement with the bracelet and itself receiving a portion of a watch or the like to which the bracelet is to be connected.

2. An end connecter for a bracelet comprising a member folded upon itself having its folded portion receiving and embracing the cross bar of a link of a bracelet and a portion protruding therebeyond, said member being formed to be detachable from the cross bar, a tubular member, and cooperating means between said tubular member and protruding portion for detachably securing the same together.

3. An end connecter for a bracelet comprising a member folded upon itself to provide a loop portion to receive the cross bar of the end link of a bracelet and a second loop portion protruding therebeyond, a tubular member having a slot therein, and slidable endways over said second loop with a portion of the first said member received in said slot, said tubular member being adapted to receive a part of a wrist watch or the like.

4. An end connecter for a bracelet comprising a pair of members slidable endways one on the other and frictionally held together, one of said members having an eye extending beyond the other member to receive the cross bar of a device to which it is to be connected, said member provided with the eye having an entrance to said eye thru the portion engaged by the other member.

5. An end connecter for a bracelet comprising a pair of members slidable endways one on the other and frictionally held together, one of said members having a pair of loop portions with an entrance to one loop thru the other and the other member comprising a single eye slidable over one of the loop portions.

6. An end connecter for a bracelet comprising a pair of members slidable endways one on the other and frictionally held together, one of said members having a pair of loop portions with one loop portion split at one end and the other member being tubular with a slot therealong slidable over said split loop portion with its slot out of registry with said split to close the split therein.

7. An end connecter for a bracelet comprising a pair of members slidable endways one on the other and frictionally held together, a detent on one member and a recess in the other member to snap thereinto to hold the members in position, said members having openings to receive respectively the end bar of the device to which it is attached, one member having arms between which said bracelet bar is secured and the other member closing the space between the end of said arms and embracing a portion of the arms.

8. A connecter for a watch bracelet end and a wrist watch comprising a sheet metal member folded upon itself to form a pair of arms with the middle part of each arm bent inwardly toward the other forming two loop portions, one of said loop portions being split with its edges spaced, and a slotted tubular member slidable endways over the split loop portion to close the space between said edges formed by said split and adapted to receive through the tube and split loop the cross pin between the lugs of a wrist watch.

9. A connecter for a watch bracelet end and a wrist watch comprising a sheet metal member folded upon itself to form a pair of arms with the middle part of each arm bent inwardly toward the other, and somewhat in the shape of a figure 8 in cross section having two loop portions, one of said loop portions being split with its edges spaced, the closed loop portion being adapted to receive a cross bar of the end link of a chain by insertion through the split in the other loop portion, and a slotted tube slidable endways over the split loop portion with its edges in the inwardly bent portions to hold the member in position and adapted to receive

through the tube and split loop portion the cross pin between the lugs of a wrist watch.

10. An end connecter for a bracelet, comprising a one-piece member for detachably receiving a portion of the end of a bracelet with portions springing apart by the inherent resiliency thereof, and detachable means engaging said resilient portions for retaining said member in engagement with the bracelet and itself receiving a portion of a watch or the like to which the bracelet is to be connected.

In testimony whereof I affix my signature.

BENJAMIN ROSSMAN.