April 8, 1930. W. J. ROY 1,753,971

BRACELET CHAIN

Filed June 14, 1928

Fig. 1.

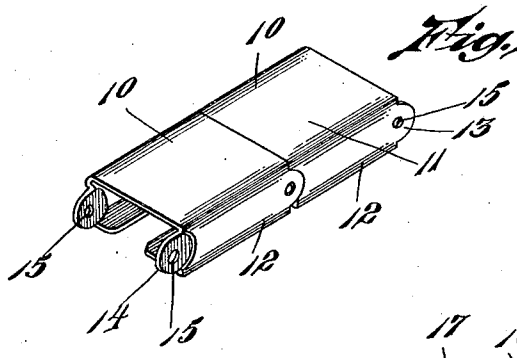


Fig. 4.

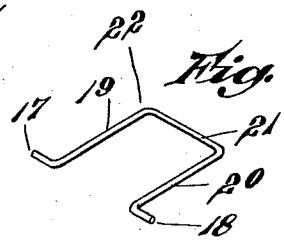


Fig. 2.

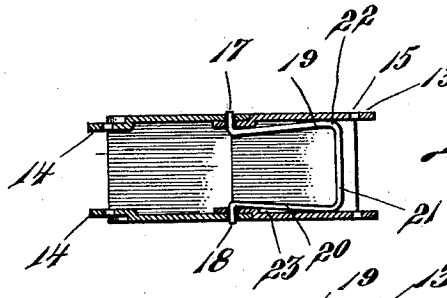
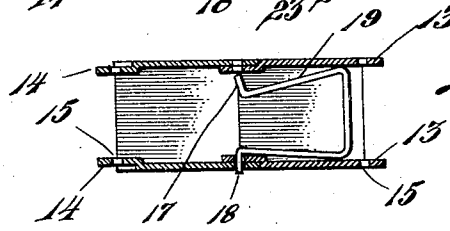


Fig. 3.



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UNITED STATES PATENT OFFICE

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BRACELET CHAIN

Application filed June 14, 1928. Serial No. 285,378.

This invention relates to an improvement in the construction of a flexible bracelet or chain formed of a plurality of units hingedly connected together; and the object of this invention is to provide a simple construction by which the units may be easily and quickly detached one from another by manual manipulation of the parts for varying the operating length of the bracelet.

A further object of the invention is to provide a bracelet having units hingedly connected together, each unit being of such a shape that the connection between the units may be readily accessible for attaching or detaching purposes of the links.

The invention further consists in the overlapping of the end portions of the bracelet units with registering openings in these overlapping portions and the providing of resilient arms with outturned fingers or projections which may be in U-shape if desired to enter the registering openings and hingedly connect the units together, the resilient arms of the U being accessible through the open side of a channel shaped link construction for withdrawing the arms from the registering openings for detachment of one link from another.

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 perspective view of two link units of the bracelet chain connected together.

Figure 2 is a sectional view from the underside thereof showing the U-shaped connector member for connecting the links together.

Figure 3 is a sectional view looking at the under side of the bracelet with one of the arms of the connector member withdrawn showing the resilient action thereof.

Figure 4 is a perspective view of the connector member.

In the bracelet market, there is a demand for a bracelet chain which has its units easily attachable and detachable so that the working length of the bracelet or chain may be readily adjusted to fit the wrists of different wearers; and in order to accomplish this result in a simple, practical and durable construction, I have formed the units with portions at their ends overlapping and have provided suitable openings in these overlapping portions to receive an outwardly extending finger or projection on a resiliently mounted arm, which for convenience and simplicity, I have formed generally in the shape of a U with the inherent tension of the U tending to force the arms outwardly against the walls of the unit through which the fingers extend; and the following is a detailed description of the present embodiment of this invention showing the preferred means by which these advantageous results may be accomplished.

With reference to the drawings, 10 designates the link unit of the bracelet chain which is formed with a top wall 11 and side walls 12, each of which latter walls has ears 13 and 14 projecting from their ends. The ears 14 are offset inwardly so that the ears 13 will overlap the ears 14 and will lie flush with the side walls 12, and the piercings 15 and 16 of these overlapping side wall portions will register or align to receive the fingers 17 and 18 on the arms 19 and 20 which are connected together by a bridge portion 21 forming a U-shaped connector 22, the inherent resiliency of which tends to force the arms 19 and 20 outwardly to keep the fingers 17 and 18 in the registering openings of the ears above mentioned to hingedly or pivotally connect adjacent units together.

In detaching one unit from another, it is merely necessary to insert some sharp instrument such as a common pin in the space 23 between the arm 19 or 20 and the adjacent side wall 12 to withdraw its finger from the registering openings separating one link from another. The withdrawing of the arm 19 is shown in Figure 3.

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. A chain comprising a series of units connected together, each unit having spaced substantially parallel side walls, the side walls of one unit having laterally displaced portions at one end thereof, the laterally displaced portions of one unit and the side walls of the adjacent unit being in contacting parallel relation and having registering openings therethrough, and resilient elements having folded ends forming fingers projecting into said registering openings and detachably connecting the units together.

2. A chain comprising af series of units connected together, each unit having spaced substantially parallel side walls, the side walls of one unit having laterally displaced portions at one end thereof, the laterally displaced portions of one unit and the side walls of the adjacent unit being in contacting parallel relation and having registering openings therethrough, and resilient U-shaped elements having folded ends forming fingers projecting into said registering openings and detachably connecting the units together.

3. A chain comprising a series of units connected together, each unit having spaced substantially parallel side walls, the side walls of one unit having laterally displaced portions at one end thereof, the laterally displaced portions of one unit and the side walls of the adjacent unit being on contacting parallel relation and having registering openings therethrough, and elements having resilient arms with folded ends forming fingers projecting into said registering openings and detachably connecting the units together.

WILFRED J. ROY.