Feb. 10, 1925. 1,526,136

C. A. GOOZEY

LINK BRACELET

Filed Aug. 19, 1924

Fig. 1

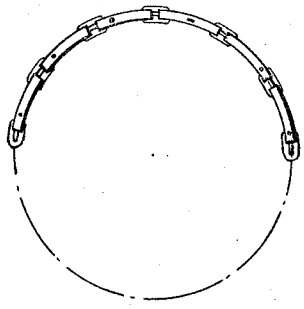


Fig. 2

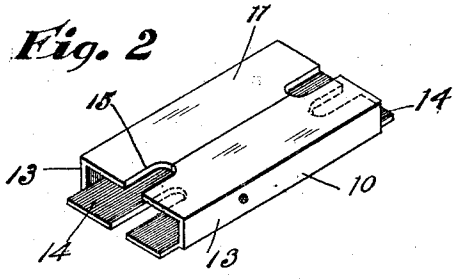


Fig. 3

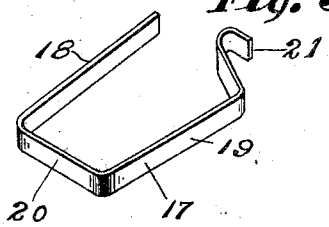


Fig. 4



Fig. 5

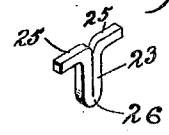


Fig. 6

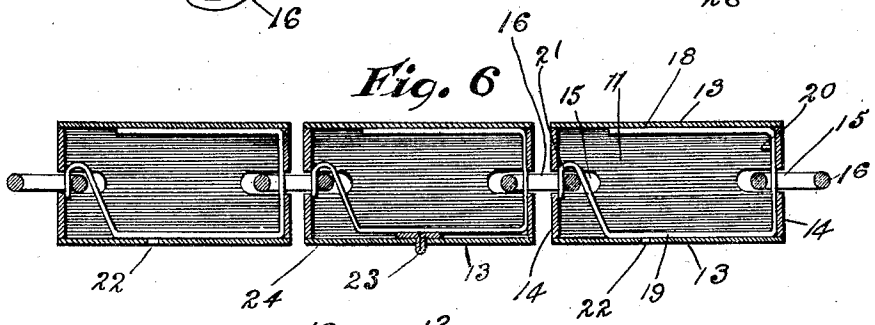


Fig. 7

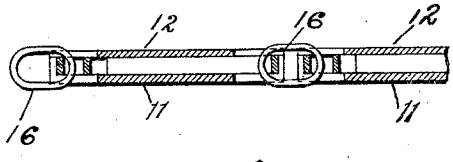
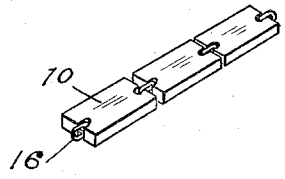


Fig. 8



Inventor

Charles A Goozey.

By Barlow & Barlow

Attorneys

Patented Feb. 10, 1925. 1,526,136

UNITED STATES PATENT OFFICE.

CHARLES A. GOOZEY, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO W. A. H. WELLS CO. INC., OF PROVIDENCE, RHODE ISLAND, A CORPORATION OF RHODE ISLAND.

LINK BRACELET.

Application filed August 19, 1924. Serial No. 732,946.

To all whom it may concern:

Be it known that I, CHARLES A. GOOZEY, a citizen of the United States, residing at 207 Ohio Avenue, Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Link Bracelets, of which the following is a specification.

This invention relates to link bracelets, and has for its object to provide a bracelet of this character which is formed of a plurality of box links connected by loop or ring links thereby rendering the bracelet very flexible or bendable, each of the box links having an adjustable member mounted therein which may be moved into and out of engagement with its loop link to detachably connect these links together.

A further object of this invention is to mount a spring wire in the box link, one end of the wire being arranged to pass through the loop link at one end thereof, to permanently secure the loop at that end, and the other end of the wire being provided with a hook for connecting another loop link to the other end of the box link, a hole being provided in the wall of the box link through which an instrument may be passed to bend the wire and withdraw the hook from its loop link thus permitting the box links to be operated whereby a link may be readily added to or removed from the bracelet at will to adjust its operating length.

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 a portion of a bracelet of my improved construction.

Figure 2 is a perspective view showing the box link as formed of sheet stock partially folded into finished position.

Figure 3 is a perspective view showing the frame-shaped link-attaching spring which is adapted to be mounted in the box links.

Figure 4 shows one of the loop links by which the box links are flexibly connected together.

Figure 5 is a presser member adapted to be mounted in one of the box links by means of which the attaching hook member may be operated to release the connecting loop link at one end of the box link.

Figure 6 is a sectional plan view showing three box links connected together by loop links, the intermediate link only being shown as being provided with a presser member by which the connecting spring may be readily manipulated to release the loop link.

Figure 7 is a sectional elevation of a portion of two box links connected together by ring links.

Figure 8 is a perspective view of the box links connected by ring links.

It is found in the practical operation of link bracelets of this character, of advantage to provide means whereby the user may readily add or remove a link from the bracelet without the use of tools for the purpose of increasing or reducing the operating length of the bracelet. It is also found of advantage to provide a series of box links and flexibly connect them together by a series of loop or ring links and to mount a movable member in the box link which is adapted to be operated to release the ring links for the purpose of detachably connecting the links together; also it is found of advantage in the construction of links of this character for bracelets or for other chain constructions to provide a presser member in one of the links by means of which this link serves as a connector for bracelets or chain ends and which may be readily manipulated to connect or disconnect the ends of bracelets or chains; and the following is a detailed description of the present embodiment of my invention showing one means by which these advantageous results may be accomplished:—

With reference to the drawings, 10 designates a box link of my improved construction which may be formed from tubing or which may be struck up from sheet stock and folded into the desired shape having a bottom wall, 11, a top wall 12, side walls 13 and end walls 14. The ends of this box link are preferably slotted as at 15 for the reception of the ends of the loop or ring links 16, which ring links are preferably set in a plane at right angles to that of the box links.

In order to provide a simple and effective way for connecting these loop links to the box links, I have positioned in each of the box links a flat spring wire 17 bent into substantially frame shape or hollow rectangular form having arms 18 and 19 lying against opposite side walls of the box, the bridge portion 20 lying against one end wall of the box bringing the slot 15 therein, and extending through one end of the loop link 16 to permanently connect these links to the box link. The hook portion 21 of this spring wire at the opposite end of the box link is arranged to extend over and back across the end slot 15, the hook 21 normally extending through the loop link 16 in which position it is held by the inherent spring of the stock. In order to permit this hook end 21 to be pressed into disengaged position to release the loop link 16, I have formed a hole 22 in the side wall 13 of the box link, whereby the point of a pin or other small instrument may be passed through this hole to engage the spring arm 19 to press this arm inwardly thus withdrawing the hook 21 from engagement with its link 16 permitting the links to be separated.

My improved construction is such that even the wearer can easily perform this disconnecting operation and so insert a link or remove one from the bracelet to adjust its operating length to suit requirements.

In a bracelet of this character, it is, in most instances, found desirable to provide a so-called connecting link or snap catch by which the ends of the bracelet may be readily attached to and detached from each other and to accomplish this in a simple and effective way, I simply insert a presser member 23 into the box link 24. This presser member having a pair of oppositely-extending arms 25 that rest against the spring wire and a loop-shaped end portion 26 which extends out through the side wall 13 of the box link, whereby this presser may be engaged by the thumb of the operator and when pressed inwardly forces the hook end 21 of the spring wire 17 from engaged position to permit a fresh link to be inserted therein or one to be withdraw therefrom thus regulating the operating length of the bracelet to suit the wearer.

My improved link bracelet is very simple and practical in construction and each of the box links presents a broad surface well adapted for carrying ornamentation to render the bracelet very handsome and attractive in appearance also by the construction of connecting box links by loop or ring links the bracelet is rendered very flexible and bendable which in some cases, is found desirable.

Then again by the construction of my improved form of connector link this link is well adapted for releasably connecting together the opposite ends of chains and bracelets.

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 link bracelet construction comprising a plurality of box links, loop links connecting said box links, each box link having an adjustable member mounted therein to be moved into and out of engagement with its loop link to connect said links together.

2. A link bracelet construction comprising a plurality of box links, loop links connecting said box links, a spring member housed in the box links having opposite portions extending through opposite loop links, one of said spring portions being movable into and out of engagement with its loop link to detachably connect the links together.

3. A link bracelet construction comprising box links slotted at their ends, loop links disposed in a plane at right angles to that of said box links and inserted into said slots, and means for detachably connecting said box and loop links.

4. A link bracelet construction comprising a series of box links slotted at each end, a loop link between adjacent box links and extending into the slots thereof, and a spring wire in each box link bridging the box link recess and extending through a loop link, said wire being mounted to be withdrawn from said loop links to detachably connect the links together.

5. A link bracelet construction comprising a series of box links, a plurality of loop links, a spring wire in each box link passing through a loop link for fixedly attaching the same at one end thereof, said wire having one end detachably connected to a second loop link at the opposite end of said box.

6. A link bracelet construction comprising a series of box links, loop links between adjacent box links, and a spring wire housed in each box link passing through the loop links adjacent each of its ends, whereby said links are flexibly connected together.

7. A link bracelet construction comprising a series of box links, each slotted at each of its ends, loop links between said slots, and a spring wire bridging the slots at the opposite ends of each link and extending through the loop link positioned thereon, whereby the links are flexibly connected together.

8. A link bracelet construction comprising a series of box links having openings in the side walls, loop links between adjacent box links, a yielding connector wire in each box link extending through an adjacent loop

link for flexibly connecting said links together, said wire being operable by manual pressure through said opening to withdraw its portion extending through the loop link for disconnecting a box and loop links.

9. A box-shaped link for bracelets and the like having a resilient connector member housed therein and a presser member extending outwardly through one of the walls of said link through which said connector may be operated and be moved from engaging position to release the next adjacent link.

10. A chain link of box form, a resilient connector member housed in said link and of a width to closely fit between its top and bottom walls, opposite portions being arranged to engage adjacent links of a chain and one portion of said connector being movable to disengaged position.

In testimony whereof I affix my signature.

CHARLES A. GOOZEY.