Nov. 3, 1931. P. BELLAVANCE 1,830,187

BRACELET STRUCTURE

Filed Dec. 16, 1929

Fig. 1.

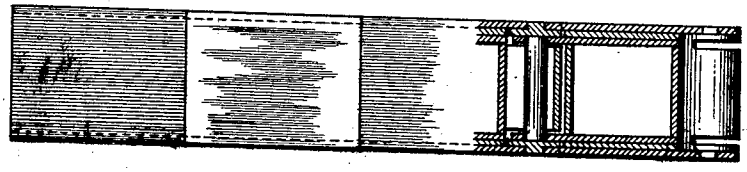


Fig. 2.

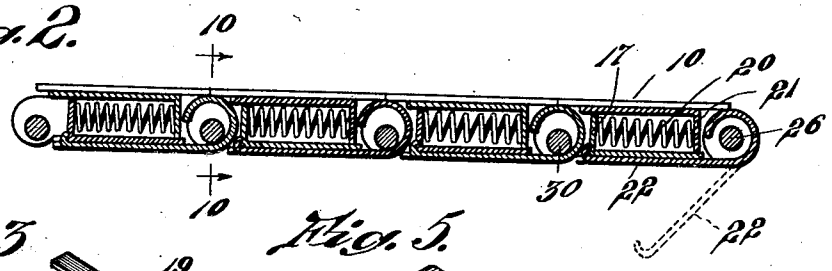


Fig. 3

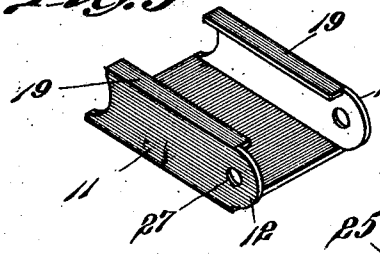


Fig. 5.

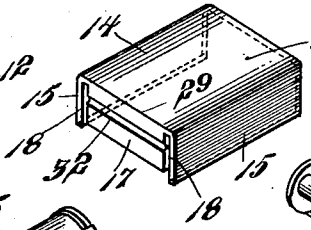


Fig. 4.

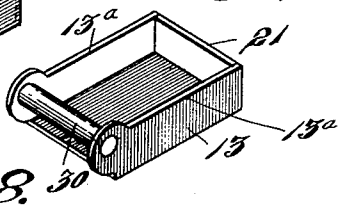


Fig. 7.

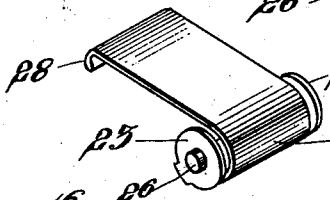


Fig. 8.

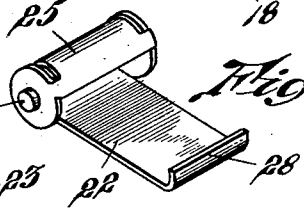


Fig. 9

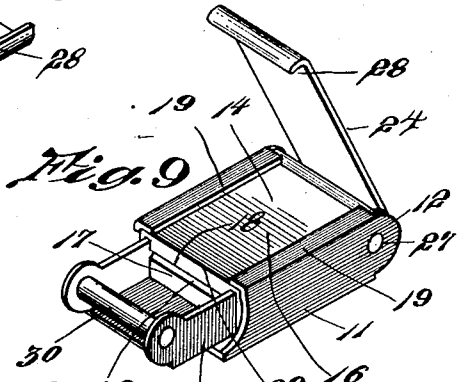


Fig. 10.

Fig. 6.

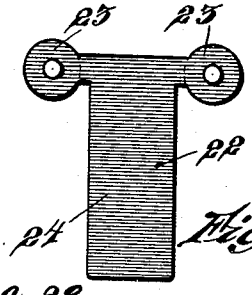
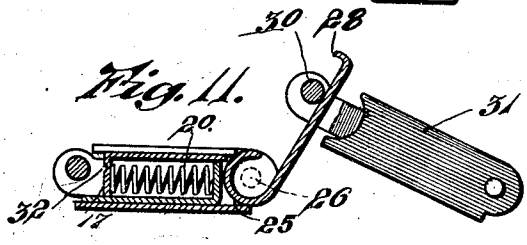


Fig. 11.



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ATTORNEYS.

Patented Nov. 3, 1931 1,830,187

UNITED STATES PATENT OFFICE

PAUL BELLAVANCE, OF ATTLEBORO, MASSACHUSETTS, ASSIGNOR TO LOUIS STERN COMPANY, OF PROVIDENCE, RHODE ISLAND, A CORPORATION OF RHODE ISLAND

BRACELET STRUCTURE

Application filed December 16, 1929. Serial No. 414,313.

This invention relates to an improved construction of bracelet or chain having a connector link; and the object of this invention is to provide a connector link in the bracelet structure in which the connector link is provided with a tongue arranged to be folded to overlie the link; and the tongue being arranged to be passed through or about a connector member in the next adjacent link to releasably connect the adjacent ends of the bracelet together.

A further object of the invention is to provide detachable means by which the tongue is releasably retained in folded position.

The invention further consists in the provision of a bracelet structure comprising a series of box links operatively connected through a series of slide links extendibly mounted in the box links, one of the links being provided with a connector tongue pivoted thereto to overlie the same, the free end of the tongue being shaped to extend about the connector member of the next adjacent link to releasably connect the two links together.

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 top view partly broken away, showing a plurality of links, one or more of which is provided with a connector tongue by which the other links of the bracelet are detachably connected together.

Fig. 2 is a sectional side elevation showing one form and arrangement of these links.

Fig. 3 is a perspective view of the outer box link.

Fig. 4 is a perspective view of the inner slide link.

Fig. 5 is a perspective view of the retaining guide member.

Fig. 6 is a view showing the blank from which the connecting tongue is formed.

Fig. 7 is a perspective view showing the tongue blank as folded into working shape.

Fig. 8 is a perspective view of the under side of the folded tongue.

Fig. 9 shows the link members assembled with the attaching tongue in raised position.

Fig. 10 is a section on line 10—10 of Fig. 2, through the pivot pin on one link about which the tongue of the connector link is passed.

Fig. 11 is a view partly in section showing the tongue as being passed around the connecting pin in the next adjacent link.

It is found in the practical construction of bracelet bands of advantage to provide a connector member of simple and practical construction and particularly when the bracelet band is constructed of a plurality of links to provide this connector member in a form to simulate the other links and to provide this connector link with a tongue which may be moved to released position and passed about the connector pin of the next adjacent pin and subsequently folded back upon the body of the link to which it is connected and secured, to readily and detachably connect the links of the chain together; and the following is a detailed description of the present embodiment of my invention and showing one means by which these advantageous results are accomplished:

With reference to the drawings, 10 designates one of the connector links of a bracelet band, which may be made in any suitable form that shown being herein illustrated as provided with an outer or box-shaped link member 11 having pivot ears 12 at one end and in which a slide link 13 is slidably mounted. This slide link is retained in the box link by a guide member 14 which is also in box shape and is provided with side walls 15, a bottom wall 16 and one end wall 17 which is slotted at 18 to permit the side walls 13^a of the slide link to slide therethrough.

This guide member is retained in position by the folding of the edges 19 of the box link 11 thereover.

A coil spring 20 is arranged to press the slide member towards closed position by acting between the rear wall 21 of the slide link and the front wall 17 of the guide member.

In order to releasably connect this link with the next adjacent link or member of the

bracelet band, I have provided a connector tongue 22 which is preferably formed from a blank, as illustrated in Fig. 6, having pivot ears 23 on the body portion 24. The end portions of the tongue which connect these ears are folded as at 25, see Figs. 7 and 8, and these ears are provided with pivot lugs or pins 26 which are mounted in the piercings 27 in the ears 12 of the box link, the body portion of the tongue being of a width to fit between the edges of the inturned flanges 19 to overlie the bottom wall 16 of the guide member 14.

The free end of this tongue is preferably curved as at 28 into somewhat of a hook shape to snap over the edge 29 of the guide member into the transverse groove 32 therein, and so securely retain this tongue in folded position. The tongue is of a shape to be readily passed around back of the connecting pin 30, or other bar, of the next adjacent link 31, see Fig. 11, and then subsequently folded back upon the bottom of its link.

By my improved construction, the tongue of this connecting link serves as a convenient means for easily connecting and disconnecting the adjacent ends of the bracelet band.

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 bracelet structure including a plurality of links, a connector link having a body with a connecting pin at one end to be attached to another link of the structure, an attaching tongue on said link body having ears at one end pivoted to the body permitting the tongue to swing and overlie the body, means for releasably retaining the tongue in overlying position, the hinged end of the tongue being shaped to be passed around a connecting pin in the next adjacent link to releasably connect the two together.

2. A bracelet structure comprising a series of box links operatively connected through a series of slide links extendibly mounted therein, each one of said box links having a connector tongue pivoted thereto to overlie the same, said tongue having one free end, a connector member on the next adjacent slide link about which said connector tongue extends, and means for detachably connecting the free end of said tongue to its box link.

3. In a bracelet structure, a series of units each having a body with a transversely extending portion at one end, and a pivoted tongue at the opposite end adapted to be passed about said transverse portion of the next unit and swung on its pivot to overlie said body, and means for releasably retaining the tongue in overlying position upon the body.

4. In a bracelet structure, a series of units each having a body, a slide link extendibly mounted therein with a transversely extending portion at one end of the unit, and a pivoted tongue on the body at the opposite end of the unit adapted to be passed about said transverse portion of the next unit and swung on its pivot to overlie said body, and means for releasably retaining the tongue in overlying position upon the body.

5. In a bracelet structure, a series of units each having a body with a transversely extending portion at one end, and a pivoted tongue at the opposite end adapted to be passed about said transverse portion of the next unit and swung on its pivot to overlie said body, and a snap catch to detachably connect the free end of the tongue to the body.

6. In a bracelet structure, a series of units each having a body, a slide link extendibly mounted therein with a transversely extending portion at one end of the unit, and a pivoted tongue on the body at the opposite end of the unit adapted to be passed about said transverse portion of the next unit and swung on its pivot to overlie said body, and a snap catch to detachably connect the free end of the tongue to the body.

7. In a bracelet structure, a series of units each having a body with a transversely extending hinge pin at one end, a tongue having spaced ears with trunnions pivoted at the opposite end of the unit and adapted to be passed about said pin of the next unit and swung on its trunnions to overlie said body and position said pin between said spaced ears, and means for releasably retaining the tongue in overlying position upon said body.

8. In a bracelet structure, a series of units each having a body, a slide link extendibly mounted therein with a transversely extending hinge pin at one end, a tongue having spaced ears with trunnions pivoted on the body at the opposite end of the unit and adapted to be passed about said pin of the next unit and swung on its trunnions to overlie said body and position said pin between said spaced ears, and means for releasably retaining the tongue in overlying position upon said body.

9. In a bracelet structure, a series of units each having a body having side walls with inturned flanges and with a transversely extending hinge pin at one end, a tongue having spaced ears with trunnions pivoted at the opposite end of the unit and adapted to be passed about said pin of the next unit and swung on its trunnions to overlie said body and lie between the said flanges and flush therewith and position said pin between said spaced ears, and means for releasably retaining the tongue in overlying position upon said body.

10. In a bracelet structure, a series of units each having a body having side walls with

inturned flanges and a slide link extendibly mounted therein with a transversely extending hinge pin at one end, a tongue having spaced ears with trunnions pivoted on the body at the opposite end of the unit and adapted to be passed about said pin of the next unit and swung on its trunnions to overlie said body and lie between the said flanges and flush therewith and position said pin between said spaced ears, and means for releasably retaining the tongue in overlying position upon said body.

In testimony whereof I affix my signature.

PAUL BELLAVANCE.