

H. Carlisle Jr.,

Bracelet.

No. 108683.

Patented Oct. 25. 1870.

Fig. 1.

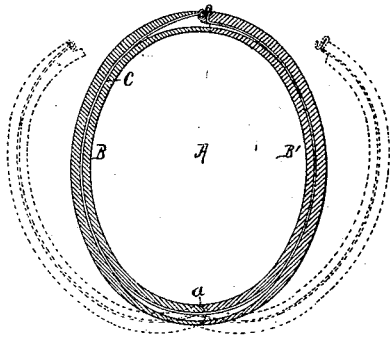


Fig. 2.

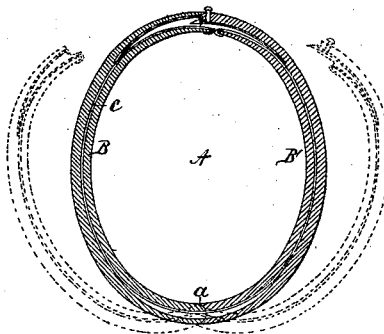


Fig. 3.

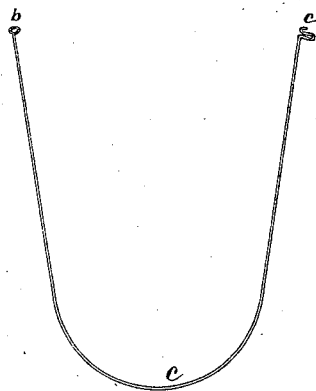


Fig. 4.

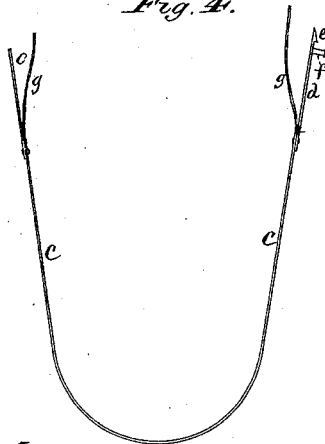


Fig. 5.



Fig. 6.



Witnesses:
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Henry Carlisle
by Wiedersheim & Torrey
his Atty.

United States Patent Office.

HENRY CARLISLE, JR., OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 108,683, dated October 25, 1870.

IMPROVEMENT IN BRACELETS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HENRY CARLISLE, JR., of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Bracelets; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand and use the same, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a central section of a bracelet having my improvements applied thereto.

Figure 2 is a modification thereof.

Figures 3, 4, 5, and 6 are detached views of different forms of springs.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists in applying to the joint of a bracelet one or more springs, for the purpose of rendering said bracelet self-opening or self-closing.

It further consists in providing a bracelet with an elastic strip, which forms the hinge, and also constitutes a spring for opening or closing the bracelet.

It finally consists in providing a bracelet with an elastic strip, which shall constitute the hinge and spring, and which is so constructed as to form the catch for holding together the ends of the bracelet.

In the drawing—

A may represent a bracelet, which, in the present case, consists of two parts, B B', made of suitable material, and of any desired shape and configuration.

C represents a strip of elastic material, by preference of metal, which is passed through the bracelet in the direction of its length.

It will be seen that the joint *a* of the parts of the bracelet is thus provided with a hinge, which holds the parts together and permits the opening and closing of the bracelet.

By previously bending the strip C in the form of a curve it becomes a spring, which, according to the direction of the curvature, will either throw open or close the bracelet.

The same result is produced if either of the spring hinges, shown in figs. 5 and 6, is applied to the joint. A catch or fastening for the bracelet may be formed in various ways.

In fig. 1 I show one end of the strip C bent or turned

into a hook, *b*, and the other end bent or turned into a corresponding catch, *c*, whereby, when the two parts are brought into contact, they will engage with each other, after the manner of a "snap," and thus hold the bracelet in a closed state.

The bracelet is readily opened by pressing on the head of the catch *c*, which operation disengages it from the hook *b*, and the two portions, B B', will then fly apart, leaving the bracelet open.

In fig. 4 I show a modification, wherein I secure the fastening devices to the strip C. A hooked piece, *c*, is riveted or otherwise attached near one end of said strip, and a piece, *d*, with a suitable eye or catch, *e*, is attached near the other end. It is evident that the operation of this part is similar to that already described.

A presser, *f*, is secured or formed with the hooked piece *c*, for releasing the fastening, but its construction and operation is well known and requires no further description.

The ends *g g* of the strip C (fig. 4) will be bent or turned over the ends of the parts B B', and form means of firmly retaining the elastic strip in position.

My invention is readily applicable to bracelets of any material, whether gold, vulcanite, or otherwise, and will be found to be a simple and practical device for the purpose intended.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The application, to the joint of a bracelet, of a spring, substantially as and for the purpose described.

2. An elastic strip, applied to a bracelet, and constituting its hinge and spring, substantially as set forth.

3. The strip C, arranged within the bracelet, forming its joint and hinge, and having its ends constitute the catch or fastening, substantially as and for the purpose described.

4. The bracelet A B B', in combination with an inclosed strip C, substantially as and for the purpose described.

The above signed by me this 1st day of September, 1870.

HENRY CARLISLE, JR.

Witnesses:

W. W. DOUGHERTY,

WM. M. KEEGAN.