

(No Model.)

L. S. BEALS.
BRACELET.

No. 428,447.

Patented May 20, 1890.

Fig. 1.

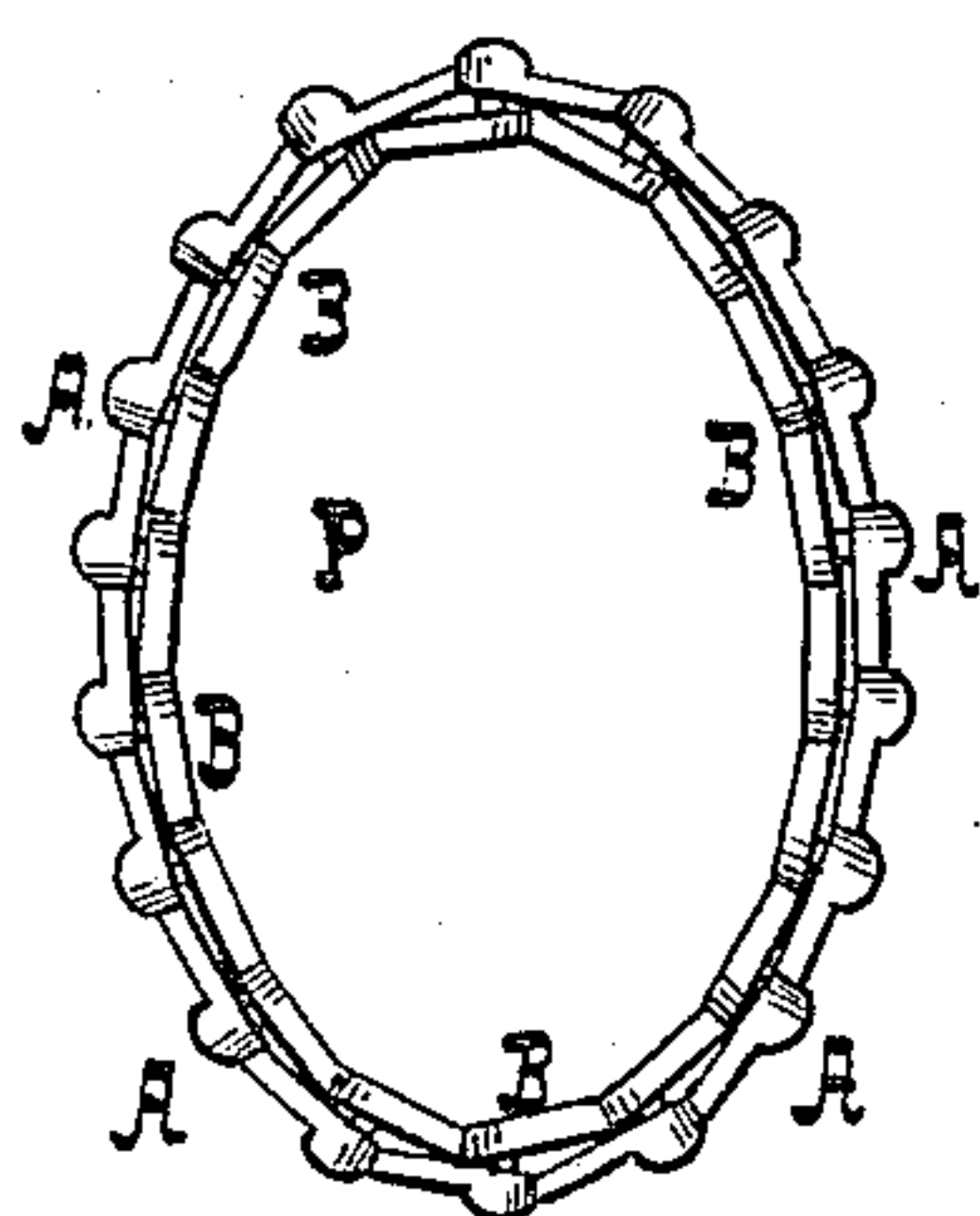


Fig. 2.

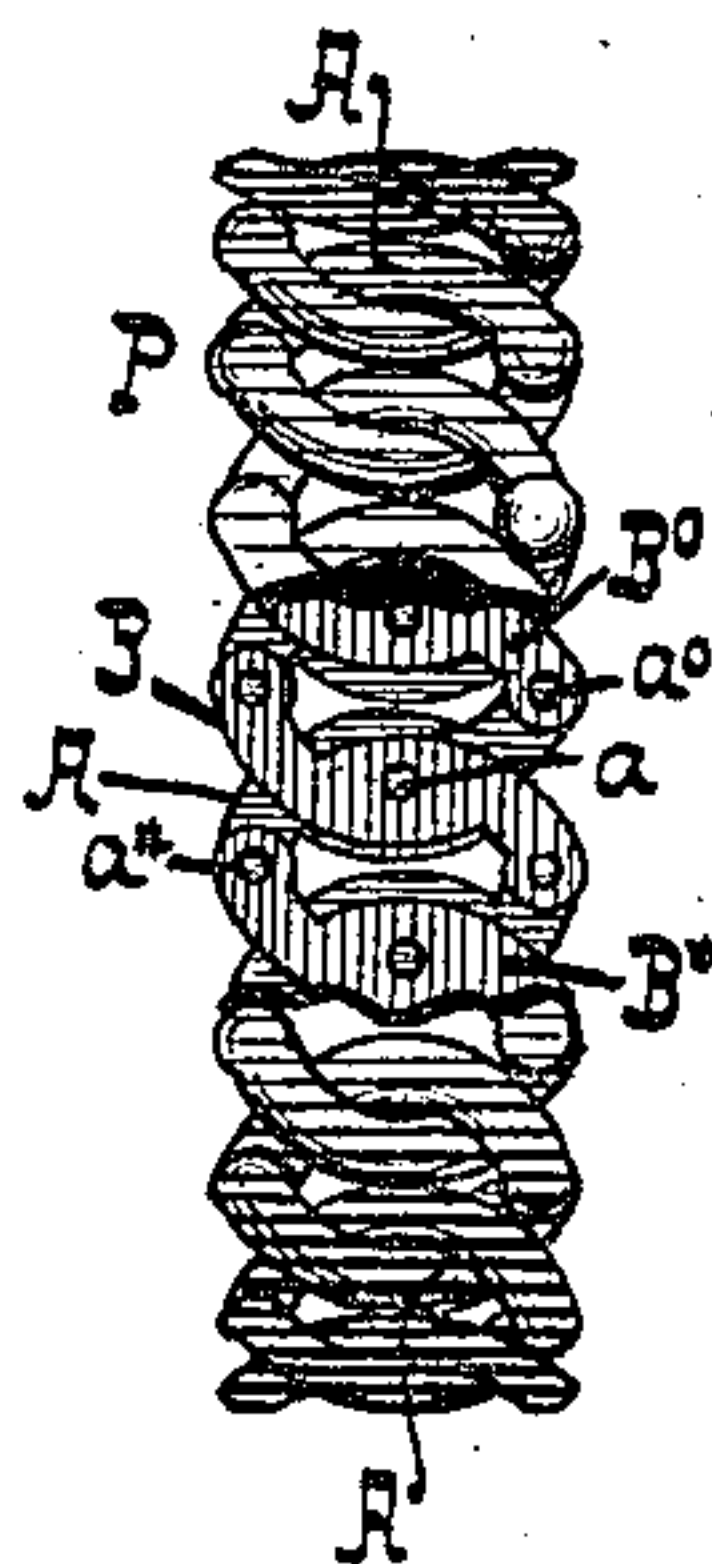


Fig. 3.

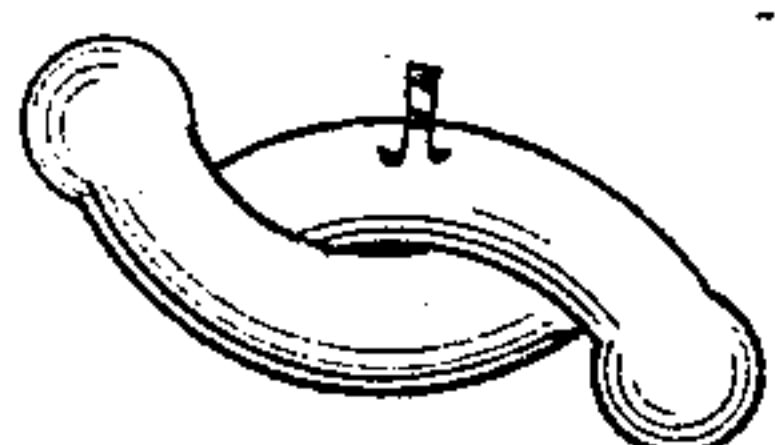


Fig. 4.

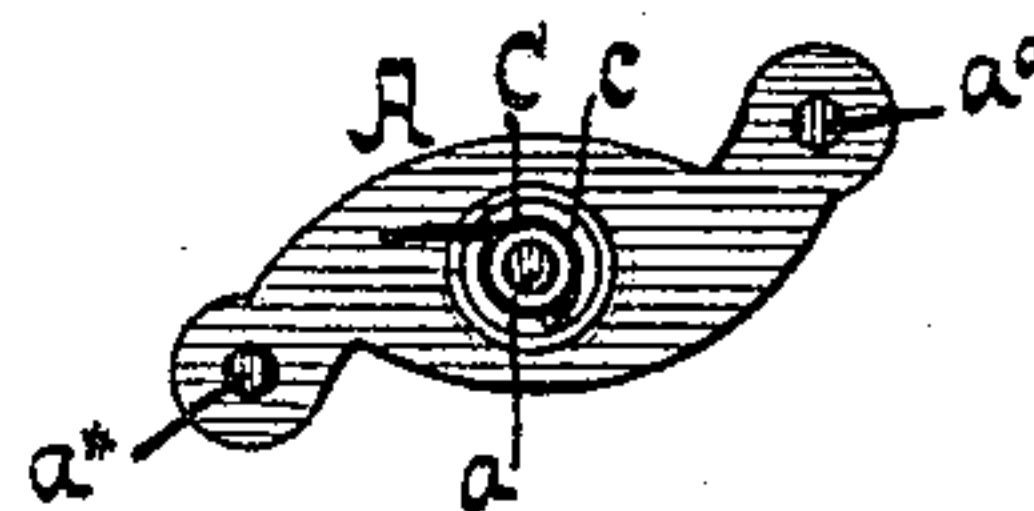


Fig. 5.

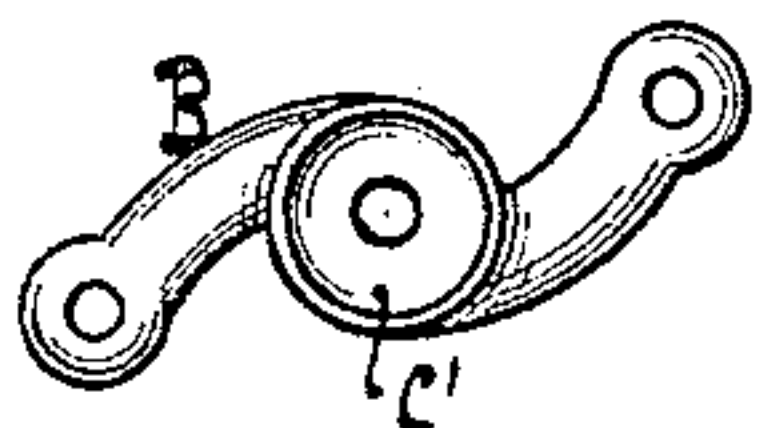
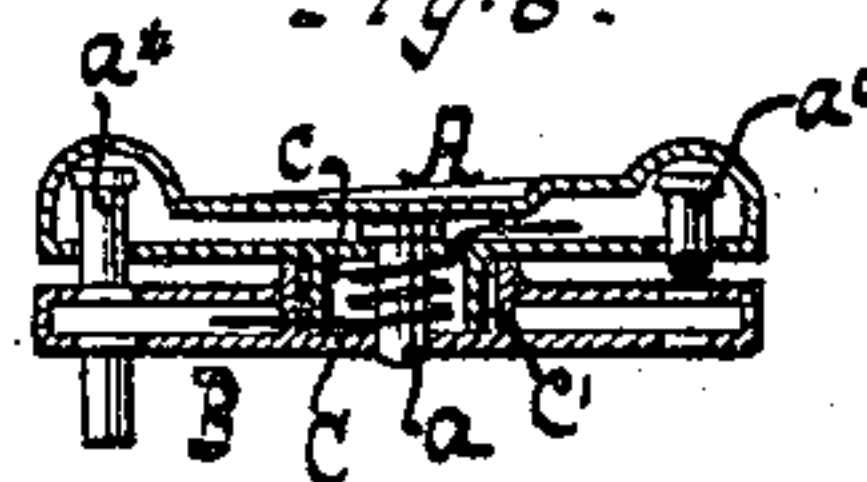


Fig. 6.



WITNESSES

William Miller
Edward Wolff

INVENTOR

Leonard S. Beals.

BY

Van Santvoord & Hauff,
ATTORNEYS

UNITED STATES PATENT OFFICE.

LEONARD S. BEALS, OF LONG ISLAND CITY, ASSIGNOR TO MAGERHANS & BROKAW, OF NEW YORK, N. Y.

BRACELET.

SPECIFICATION forming part of Letters Patent No. 428,447, dated May 20, 1890.

Application filed December 7, 1889. Serial No. 332,869. (No model.)

To all whom it may concern:

Be it known that I, LEONARD S. BEALS, a citizen of the United States, residing at Long Island City, in the county of Queens and State of New York, have invented new and useful Improvements in Bracelets, of which the following is a specification.

This invention relates to bracelets; and it consists in a novel construction of expanding and contracting bracelets, as described in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 is an end view of a bracelet embodying the invention. Fig. 2 is a side elevation, some links being broken away to exhibit the inner surface of the bracelet. Fig. 3 is a face view of one of the front links on a larger scale than the previous figures. Fig. 4 is an inside view of the same. Fig. 5 is a face view of one of the rear links. Fig. 6 is a section of a front and rear link when connected.

Similar letters indicate corresponding parts.

In the drawings, the letter P designates a bracelet, which is composed of a series of front links A and a series of rear links B, which are connected in the manner of lazy-tongs—that is to say, each of the front links A is connected by a pivot a to one of the rear links B at the middle of their length, and at one end it is connected by a pivot a^0 to the end of the rear link B^0 , while its opposite end is connected by a pivot a^* to the end of the rear link B^* , as shown in Fig. 2. The connections between the ends of the links are loose, so that when a sufficient number of them has been connected they can be made to form a closed bracelet, as shown in Fig. 1, and it will be readily understood that this bracelet can be expanded or contracted, so that when it is expanded the bracelet can be slipped over the hand and then compressed to hug the arm snugly.

In order to make my bracelet self-adjust-

ing, I subject the links A B to the action of springs C, which have a tendency to close up the links. In the example illustrated by the drawings, coiled springs are used for this purpose, and in order to retain these springs in the proper position I provide the front links A with circular recesses or chambers c , Figs. 4 and 6, from which extends an opening into the interior of the link, so that one end of the spring can be made to pass into the interior of the front link. The rear link B is provided with a cavity c' , which communicates by means of a hole with the interior of said link, so that the second end of the spring C can be made to extend into the interior of said rear link. (See Fig. 6.)

It is not necessary that all the links shall be provided with springs, since the movement of one link is communicated to the remaining links.

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

1. A bracelet consisting of the front links A and rear links B, pivoted together at the middle of their length and at their ends, and a spring C, for moving the links to contract the diameter of the bracelet, substantially as described.

2. A bracelet consisting of front links A and rear links B, pivoted at the middle of their length and at their ends, and a coiled spring C, having its ends engaged, respectively, with a front and rear link at or near the middle thereof for moving said links to contract the diameter of the bracelet, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

LEONARD S. BEALS.

Witnesses:

J. VAN SANTVOORD,
WILLIAM MILLER.