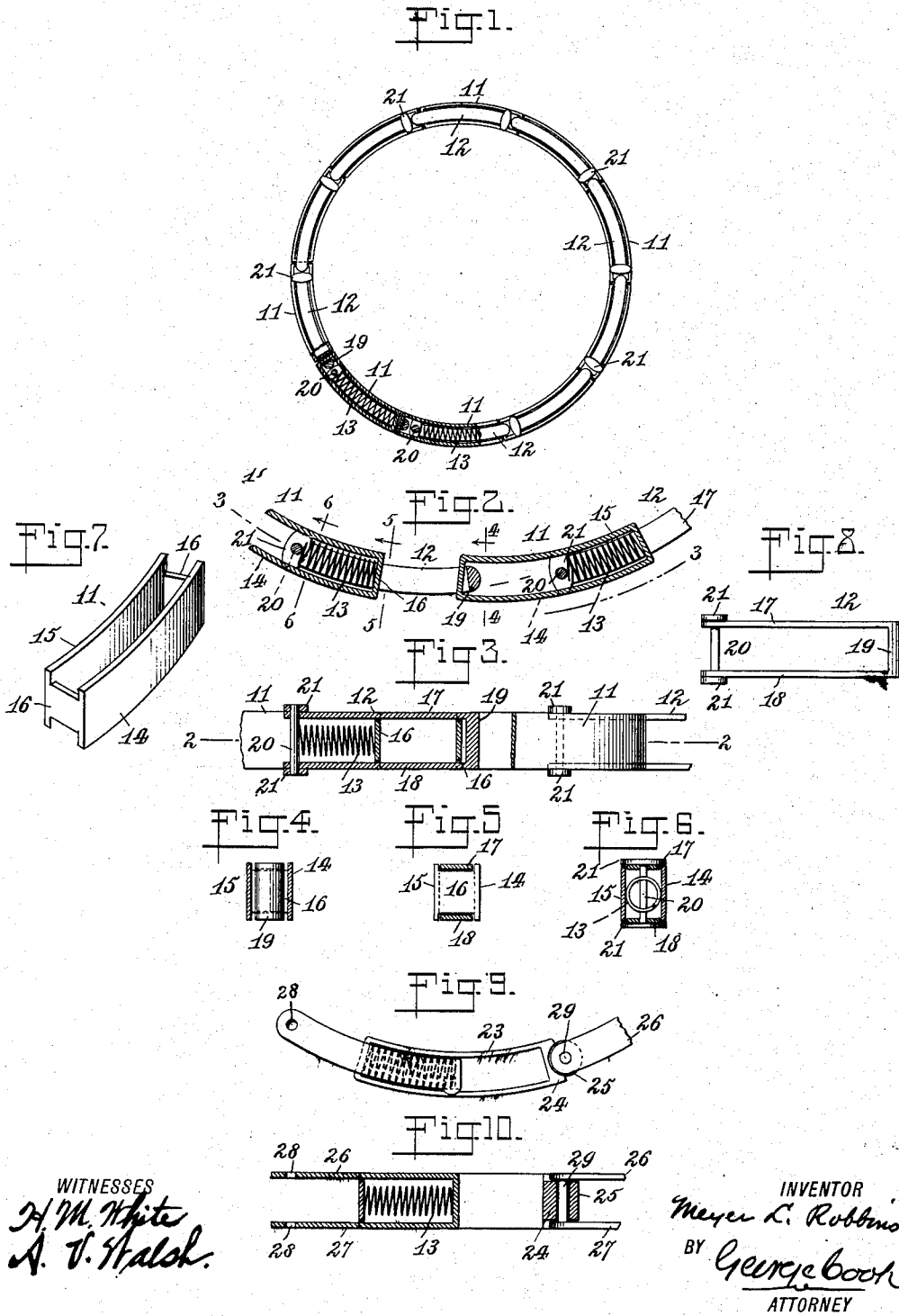


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BRACELET.
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WITNESSES
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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MEYER L. ROBBINS, a citizen of the United States, and a resident of New York, borough of Manhattan, in the county of New York and State of New York, have made and invented certain new and useful Improvements in Bracelets, of which the following is a specification.

My invention relates to an improvement in expansion bracelets, the object being to provide an article of this kind which will be cheap to manufacture, made of but few parts easily and readily assembled, which will be neat and attractive in appearance, and more durable and flexible than those heretofore made, and with these and other ends in view, the invention consists in certain novel features of construction and combinations of parts as will be hereinafter fully described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view partly in elevation and partly in section of a bracelet constructed in accordance with my invention; Fig. 2 is a sectional view taken on the line 2—2, of Fig. 3, the bracelet being in expanded adjustment; Fig. 3 is a view of a portion of the bracelet partly in section and partly in plan, the view being taken on line 3—3 of Fig. 2, the planes indicated by said line running through the central portion of a part of the bracelet, and the other plane being exterior to the bracelet; Figs. 4, 5 and 6 are sectional views taken on the lines 4—4, 5—5, and 6—6, respectively, of Fig. 2, and looking in the direction as indicated by the arrows; Fig. 7 is a view in perspective of one of the detached outer links; Fig. 8 is a top plan view of a detached inner link; Figs. 9 and 10 are two views of a modified form of these links.

It will be seen by reference to the drawings that the expansible chain from which the completed bracelet is formed comprises a number of units, each unit consisting of an outer link 11, (Fig. 7) an inner link 12, (Fig. 8) and a contained spring 13 to return the links to their closed or normal positions after being expanded or pulled outwardly one upon the other. The outer link, illustrated in perspective in Fig. 7, comprises an upper or outer plate 14, and a lower or inner plate 15, connected at their extreme ends by the plates 16; these end plates being somewhat narrower in width

than those of the outer and inner plates 14, 15, the difference in width being equal to the thickness of the side plates 17, 18, of the inner link 12, so that when the parts are assembled, as illustrated, for instance, in section in Fig. 5, the outer sides or surfaces of the plates 17, 18, will be flush with the edges of the plates 14, 15. Assembled with this outer link 11 is an inner link 12, and formed with two side plates 17, 18, the height of which, as illustrated in Fig. 5, is equal to the distance between the two plates 14, 15 of said outer link 11, the upper and lower edges of each of said plates 17 and 18 sliding upon the inner surfaces or faces of the plates 14 and 15, the two links, 11 and 12, thus forming a rectangular box-like structure, when assembled, slightly curved in the direction of its length, and the sides formed of the plates 17, 18, lying flush with the outer edges of the plates 14, 15. The inner link 12 is also formed with the end plate or bar 19 secured thereto, or formed integral therewith, and at the opposite end with a pin or bar 20, passing through the plates 17, 18, and through the lugs or ears 21, formed on or secured to the extreme ends of said plates, the upper ends of these lugs 21—21 projecting or extending over one or both edges of the plates 14, 15, of the link 11, in order to guide the links 11 and 12 in their movements when the bracelet is expanded, and to retain the links in their assembled positions, as illustrated in Figs. 1 and 2. Within the outer link 11, and bearing against the plate 16, is a spring 13, the spring at its opposite end bearing against the pin 20 of the link 12, the result being that when the bracelet is expanded, said spring will be compressed, the tendency thereof being to return the two links 11 and 12 to their normal positions, as illustrated in Fig. 1.

As a result of the construction and arrangement of the several parts as above described, it will be understood that the chain forming the bracelet is very flexible, allowing, as it does, considerable movement of the one unit with relation to the adjacent unit. Again, the bracelet, formed of box-like links, is provided with a smooth, outer and inner surface, with no projections extending beyond the same, the sides of the box-like units being also smooth, with no projections other than the lugs or ears 21.

It will of course be understood that the end plates of the links may be made integral from the side plates, or separate therefrom, and soldered or otherwise secured thereto. 5 It will also be understood that other variations might be made in the construction of the links without departing from the spirit of the invention; for instance, as illustrated in Fig. 9, the outer link 23 may have formed 10 on or secured to the end plate 24 an eye 25, to which the end of the next adjacent inner link 26 may be pivoted, instead of having said inner link encircle or embrace the end plate 24, as above described, the plates 26, 15 27, forming the inner link, being provided with holes or openings 28 for the reception of a pin 29, as clearly illustrated in Fig. 10 of the drawings. It will also be understood, 20 that the bracelet may be used alone, or may be fitted or attached to a watch or other ornament, as is now commonly done in the case of expansion bracelets.

Having fully described my invention, 25 what I claim as new and desire to secure by Letters Patent is:

1. An expansible bracelet made up of a series of units, each unit comprising an outer and inner link, said outer link being formed 30 with outer and inner plates connected by end plates, the inner link being formed with two side plates connected at one end by a bar, the opposite ends of the plates being provided with lugs or ears extending over

the edges of the outer link when the parts 35 are assembled, and connected by a pin, said inner and outer links forming a rectangular box-like structure, and containing a spring bearing at one end against the outer link, and at its opposite end against the inner 40 link, whereby to retain said links in their normal positions.

2. An expansible bracelet comprising a number of units, each unit consisting of an outer and inner link, said outer link being 45 formed of outer and inner plates connected by end plates, the inner link being formed of two side plates fitting between said outer and inner plates of the outer link, and connected at one end by a bar, the opposite 50 ends of said side plates being connected by a pin, and provided with lugs extending over the edge of the outer link to assist in retaining the two links in their proper relative 55 positions, and a spring contained within the assembled links, and bearing at one end against one of the end plates of the outer link, and at the opposite end against the pin connecting the side plates of the inner 60 link, substantially as described.

Signed at New York, borough of Manhattan, in the county of New York, and State of New York, this 15th day of January, A. D. 1912.

MEYER L. ROBBINS.

Witnesses:

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