No. 793,874. PATENTED JULY 4, 1905.

A. EKLUND.

SEPARABLE FASTENER.

APPLICATION FILED MAR. 16, 1905.

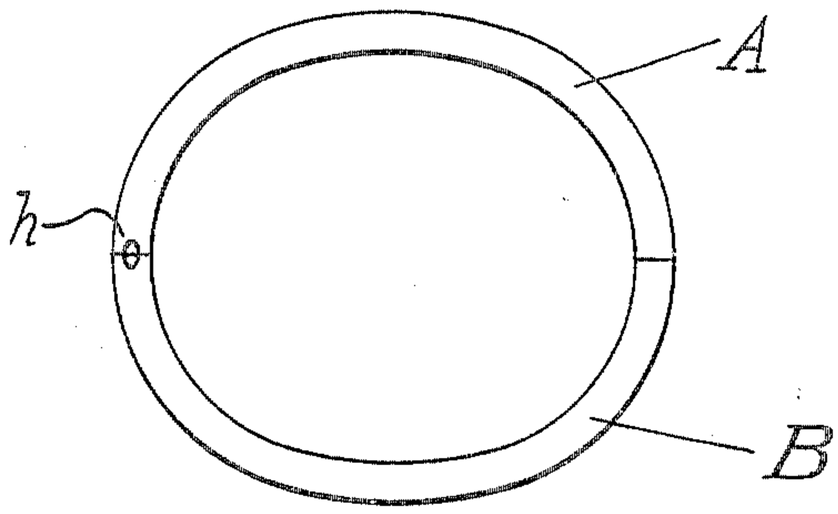

FIG. 1.

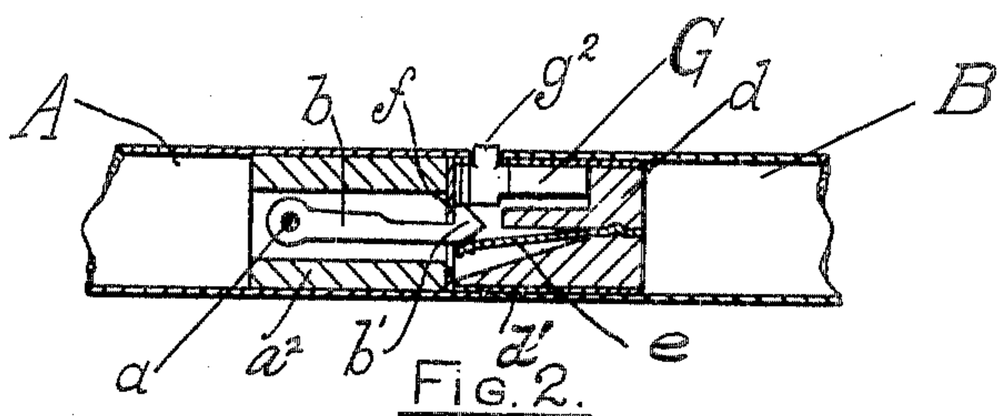

FIG. 2.

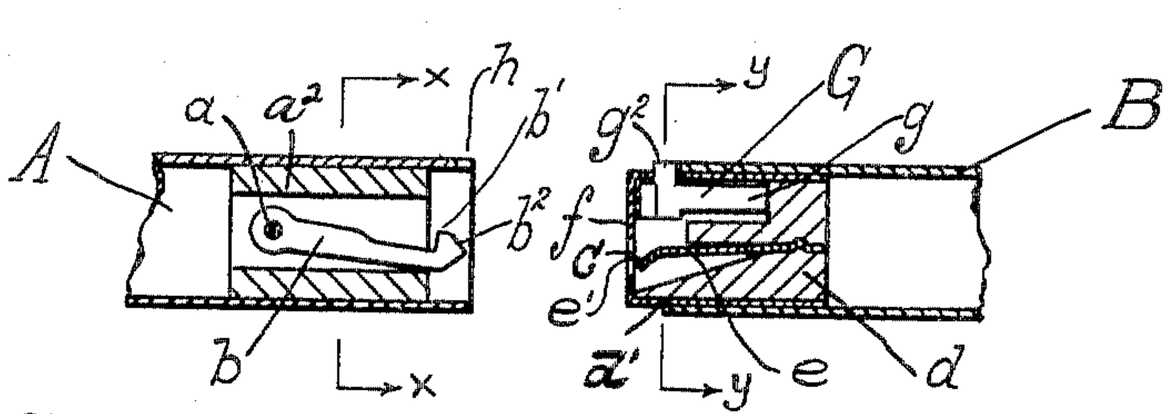

FIG. 3.

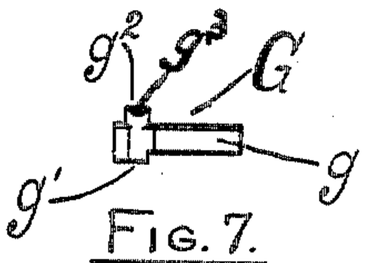

FIG. 7.

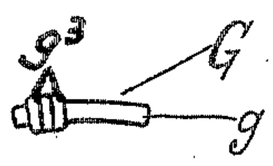

FIG. 8.

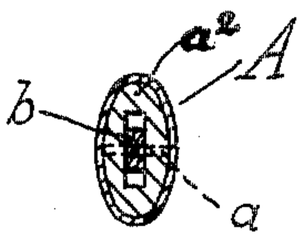

FIG. 4.

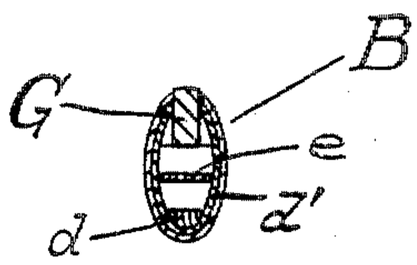

FIG. 5.

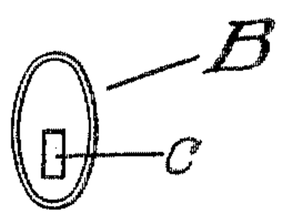

FIG. 6.

WITNESSES.

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No. 793,874. Patented July 4, 1905.

UNITED STATES PATENT OFFICE.

ALEXANDER EKLUND, OF ATTLEBORO, MASSACHUSETTS, ASSIGNOR TO J. F. STURDY'S SONS, OF NORTH ATTLEBORO, MASSACHUSETTS.

SEPARABLE FASTENER.

SPECIFICATION forming part of Letters Patent No. 793,874, dated July 4, 1905.

Application filed March 16, 1905. Serial No. 250,343.

To all whom it may concern:

Be it known that I, ALEXANDER EKLUND, a citizen of the United States, residing at Attleboro, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Separable Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to separable fasteners for bracelets, and is particularly adapted to such bracelets as have concealed joints. Its purposes are to provide a fastening whose actuating means shall be largely concealed and a fastening whose release will involve an impulse to throw the engaged parts asunder, also a structure which shall be durable with a minimum number of parts.

My invention resides in the peculiar structure and combination of parts herein decribed, and illustrated in the accompanying drawings.

Figure 1 is a plan view of a concealed-joint bracelet embodying my invention; Fig. 2, a vertical longitudinal section of the portion of the bracelet containing the catch mechanism in engaged position; Fig. 3, a similar section of the same disengaged; Fig. 4, a section on line $x\,x$ of Fig. 3; Fig. 5, a section on line $y\,y$ of Fig. 3; Fig. 6, an end elevation of one of the bracelet-wings, and Figs. 7 and 8 side and plan detail views of the plunger.

Like reference characters indicate like parts throughout the views.

In the drawings, A and B represent the hollow sections or wings of a jointed bracelet. Pivoted on a transverse pin a, shown as supported in a block a^2, is a latch b with an upwardly-directed hook or head b' upon its free end. The extremity of the head is inclined or pointed b^2. The end of the wing B is provided with an opening c, adapted to receive the head of the latch when the parts are engaged. Mounted in the wing B in the rear of the opening c is a block d, surrounded by a sleeve d' and supporting a flat spring e, with a slightly downwardly curved extremity e'. This spring-extremity e' is adapted to guide the latch-head b' into engagement with the shoulder f, formed by the opening c in the wing B, and the spring e by its tension retains the head b' in engaged position. This shoulder forms a keeper for the latch.

Mounted in the upper part of block d so loosely as to allow vertical movement is a plunger G. The body g thereof is curved to conform to the curvature of the bracelet-section and rests loosely in a cut-out portion of the block d and is supported by the latter. The head g' of the plunger extends slightly below the plane of the body, and upon the upper portion of the plunger-head is an integral projection g^2, whose upper face lies substantially in the plane of the exterior of the bracelet-wings, whose ends are semicircularly pierced, as shown at h in Fig. 1, to allow a passage or seat for said projection, said projection having one or more depressions g^3, as seen best in Fig. 8, to be engaged by the finger-nail.

To disengage the catch, the wearer downwardly presses with the thumb or finger nail the projection g^2, thereby forcing the latch-head b' downwardly against the tension of the spring e, which, yielding, frees the head from the shoulder f and forces the wings apart.

Having described my invention, what I claim is—

1. In a bracelet, a catch for the ends of its jointed sections thereof, the same comprising a latch pivotally mounted within one end of one section, a spring within the adjacent end of the other section, a keeper for the latch, and a curved plunger in the section with the spring, the said latch being receivable between the said spring and plunger, as and for the purpose specified.

2. In a bracelet, a catch for the ends of its sections, the same comprising a block within the hollow end of one section, a spring carried by said block, a plunger guided in said block, and a block in the other section at its adjacent end, and a latch pivotally mounted in said block and receivable in an opening in the end of the companion section.

3. The combination with the hollow bracelet-sections, of a block in one end of one section, a spring mounted therein, a plunger

movable in said section and guided in said block, a block in the adjacent end of the other section, and a latch pivotally mounted in said block and receivable in an opening in the end of the first section in position to be engaged by said plunger and engaged with the inner face of the end wall of the said section.

In testimony whereof I have affixed my signature in presence of two witnesses.

ALEXANDER EKLUND.

Witnesses:
HORATIO E. BELLOWS,
WILLIAM E. BROWN.