

No. 839,047.

PATENTED DEC. 18, 1906.

I. M. SYLVESTER.
FASTENER.

APPLICATION FILED APR. 19, 1906.

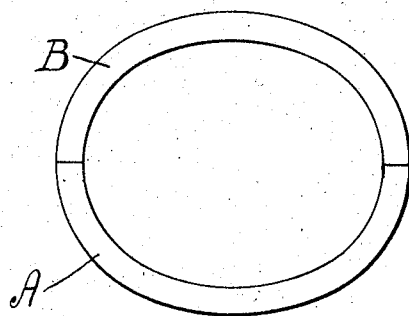


FIG. 1.

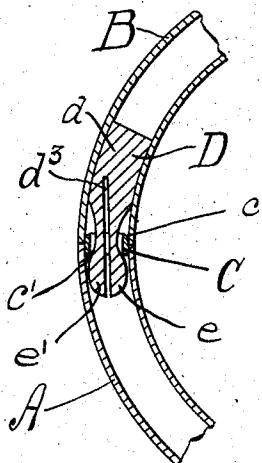


FIG. 2.

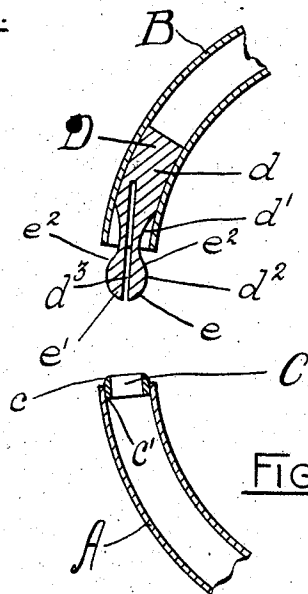


FIG. 3.

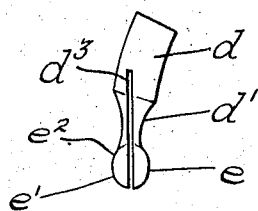


FIG. 4.

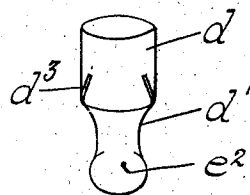


FIG. 5.

WITNESSES.

A. G. Pieczentkowski.

Fred. J. Gorgino.

BY

INVENTOR.

Irving M. Sylvester.
Horatio E. Bellows

ATTORNEY.

UNITED STATES PATENT OFFICE.

IRVING M. SYLVESTER, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO
PARKS BROTHERS AND ROGERS, OF PROVIDENCE, RHODE ISLAND, A
COPARTNERSHIP.

FASTENER.

No. 839,047.

Specification of Letters Patent.

Patented Dec. 18, 1906.

Application filed April 19, 1906. Serial No. 312,569.

To all whom it may concern:

Be it known that I, IRVING M. SYLVESTER, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to bracelets, particularly to that class known as "concealed-joint" bracelets, wherein it is essential that the bracelet exterior shall be intact and free from defacement.

My invention has for its primary object a fastening means particularly adapted to fulfil the peculiar requirements of such a bracelet by being completely concealed from view when closed and avoiding any structural details which shall be visible upon the exterior under any circumstances.

Another object is to provide a fastening means which shall combine durability with simplicity and cheapness.

To the above ends my invention consists in the novel construction and combination of parts hereinafter set forth, and illustrated in the accompanying drawings, wherein—

Figure 1 is a plan view of an entire bracelet in closed position, in which is embodied my novel fastener; Fig. 2, a longitudinal central section of that portion of the bracelet adjacent the fastener; Fig. 3, a like section of the same with the fastener in disengaged position; and Figs. 4 and 5, side and plan views, respectively, of the stud-fastener member.

Like reference characters indicate like parts throughout the views.

In the drawings, A and B represent the hollow wings of an ordinary bracelet of the concealed-joint type. Soldered or otherwise fixed within the hollow of the wing A is a ring C, one of whose ends slightly projects beyond the end of the wing and is slightly beveled or inclined, as at *c*, to facilitate entrance of the end into the end of the other wing, while the other end forms a shoulder *c'* within the wing.

In the wing B is soldered or otherwise fixed a fastening member or block, (represented in a general manner by D.) In detail this member comprises a body *d*, a reduced and somewhat-flattened neck *d'*, and terminates in a head *d²*, nearly elliptical in cross-section.

The head, neck, and a portion of the body are slitted. The bifurcating recess *d³* divides the head into two compressible spring members *e* and *e'*, each provided beyond the end of the wing with a shoulder *e²* upon its exterior.

The member D has its body *d* and the major portion of its neck *d'* inclosed within the wing B.

To engage the fastener parts, the wing B is impelled toward the wing A, whereby the spring members *e e'* of the head *d²* traverse the ring C of the other wing. Since the thickness of the head *d²* is greater than the size of the opening in the ring C, the head is compressed while traversing the ring and expands thereafter, locking the parts by the contact of the shoulders *e²* against the shoulder *c'* of the ring C.

It will be observed that the bracelet may be opened and closed by the use of one hand; that slight strain or pressure is brought to bear upon the head *d²* when the fastener is engaged; that the curvature of the shoulder *e²*, in conjunction with the shoulder *c'*, serves to impel the margin of the wing A into contact with the margin of the wing B as the margins approach each other, and that no defacement of the bracelet exterior exists.

Upon reference to Figs. 2, 3, and 4 it will be seen that the slit in the member D does not extend in the general direction of the length of the block, which latter is curved; but the slit is straight and what may be termed "eccentrically disposed." By this means the compressible members are constructed so as to stand the greatest strain without danger of breaking.

What I claim is—

1. The combination with the hollow wings of a bracelet, of a block in the end of one wing and curved to conform to the curvature of the wing and formed with a slitted end and compressible members with rounded shoulders, the slit extending eccentrically of the block, and a member in the end of the other wing having a shoulder within the wing and a beveled outer end as and for the purpose specified.

2. In a bracelet, a catch for its wings, the same comprising a curved shank adapted to fit within the hollow end of one wing and having compressible spring members with a head and a reduced neck forming shoulders

between the neck and head, and a ring adapted to fit within the adjacent hollow wing provided with an opening of less diameter than the thickness of the uncompressed shoulders, 5 said ring encircling the neck and bearing against the shoulders of the members slightly compressing the latter.

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

IRVING M. SYLVESTER.

Witnesses:

HORATIO E. BELLOWES,
FRED G. COZZENO.