

No. 840,864.

PATENTED JAN. 8, 1907.

B. PETERSON
BRACELET.

APPLICATION FILED NOV. 30, 1906.

Fig. 1.

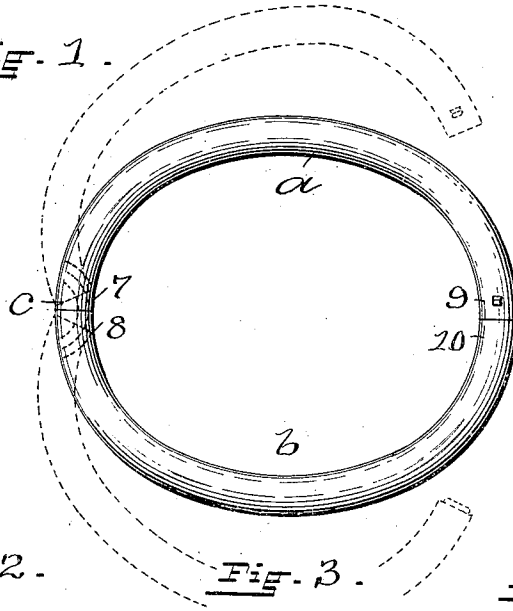


Fig. 2.

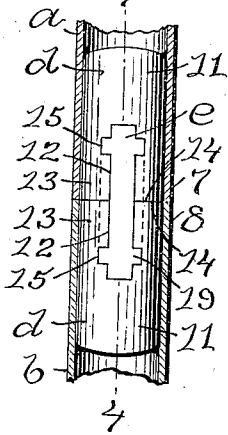


Fig. 3.

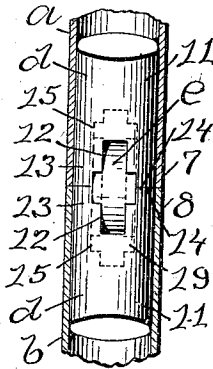


Fig. 4.

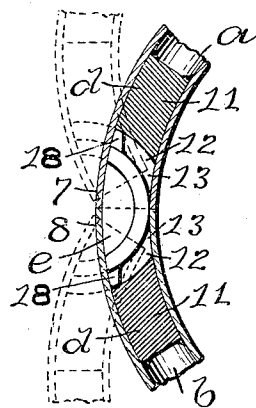


Fig. 5.

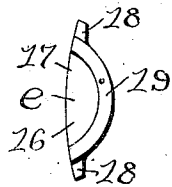
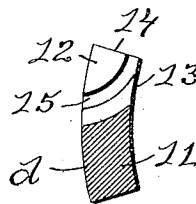


Fig. 6.



WITNESSES:

Ada E. Hagerty
Chas. W. Luther Jr.

INVENTOR:

Bernhard Peterson
by Joseph A. Miller
ATTORNEY:

UNITED STATES PATENT OFFICE.

BERNHARD PETERSON, OF CRANSTON, RHODE ISLAND, ASSIGNOR TO
GEO. BECKER & CO., OF PROVIDENCE, RHODE ISLAND, A CORPO-
RATION OF RHODE ISLAND.

BRACELET.

No. 840,864.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed November 30, 1906. Serial No. 345,804.

To all whom it may concern:

Be it known that I, BERNHARD PETERSON, a citizen of the United States, residing at Cranston, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Bracelets, of which the following is a specification.

This invention has reference to an improvement in bracelets, and more particularly to an improvement in concealed hinges for bracelets.

The object of my invention is to improve the construction of a concealed hinge for bracelets, thereby providing a bracelet with a strong and durable concealed hinge that is not liable to wear loose and is simple in construction, whereby the cost of manufacturing the same is reduced.

My invention consists in the peculiar and novel construction of a concealed hinge for bracelets, said hinge having details of construction, as will be more fully set forth hereinafter and claimed.

Figure 1 is a side view of a two-part bracelet provided with my improved concealed hinge and showing the bracelet in the closed position in full lines and in the open position in broken lines. Fig. 2 is an enlarged detail sectional view through the shell of the hinge end of the bracelet looking at the outside face of the hinge, with the hinge in the closed position. Fig. 3 is an enlarged detail sectional view similar to Fig. 2 looking at the inner face of the hinge, with the hinge in the closed position. Fig. 4 is an enlarged detail sectional view taken on line 4 4 of Fig. 2, through the hinge members and adjacent ends of the bracelet and showing the hinge in the closed position in full lines and in the open position in broken lines. Fig. 5 is an enlarged detail side view of the interlocking pintle-block removed from the hinge, and Fig. 6 is an enlarged detail sectional view taken centrally through one of the hinge members.

In the drawings, *a* indicates a semi-oval half, *b* a corresponding semi-oval half, and *c* the concealed hinge of the bracelet. The semi-oval halves *a* and *b* are formed from a tube which is oval in cross-section. The half *a* has the open end 7 for the hinge and the end 9. The half *b* has the open end 8 for the

hinge and the end 10. The ends 7 and 8 and the ends 9 and 10 coincide when the bracelet is closed. The ends 9 and 10 may be provided with any one of the well-known forms of catches adapted to hold the ends together when the bracelet is closed.

My improved concealed hinge *c* consists of two identically-constructed hinge members *d d* and an interlocking pintle-block *e*. The members *d d* are shaped to fit in the open ends 7 and 8 of the bracelet and curved to conform to the contour of the ends of the bracelet, as shown in Fig. 4. Each member *d* is constructed integral to have a solid oval body portion 11 extending in, from one end of which is a central slot 12 the width of the interlocking pintle-block *e* and forming two side arms 13 13, having the flat ends 14 14 and the oppositely-disposed curved grooves 15 15 in the inner faces of the arms 13 13. The flat ends 14 14 of each hinge member *d* abut when the hinge is closed, and the curved grooves 15 15 extend in from the outer face of the arms adjacent the base of the arms to the ends 14 14 at a point adjacent the inner face of the arms and are in the form of an arc, the center of which is struck on the center on which the hinge turns. The interlocking pintle-block *e* has the solid body 16, the thickness of which coincides with the width of the slots 12 12 in the members *d d*, the curved outer edge 17 shaped to conform with the ends 7 and 8 of the bracelet, the end stop-fingers 18 18, adapted to engage with the shell of the bracelet and limit the opening movement of the hinge, and the oppositely-disposed curved side webs 19 19 in the form of an arc the center of which is struck on the center on which the hinge turns. The webs 19 19 on the interlocking pintle-block *e* are adapted to fit in and have a circular reciprocating movement in the grooves 15 15 in the inner faces of the arms 13 13.

The members of the hinge are assembled by entering the ends of the webs 19 19 on the interlocking pintle-block *e* into the ends of the grooves 15 15, where they open into the flat ends 14 14 of the side arms 13 13, and bringing the hinge members *d d* into the closed position, which brings the body 16 of the interlocking pintle-block *e* into the slots 12 12 in the hinge members *d d* and pivot-

ally locks the members together, as shown in Fig. 2. The members of the hinge are now inserted in the open ends 7 and 8 of the bracelet in a position for the abutting ends 14 14 of the hinge members *d d*, and the center on which the hinge turns to coincide with the juncture of the ends 7 and 8 when the bracelet is closed. The body portions 11 11 of the hinge members *d d* are now secured in the ends 7 and 8 of the bracelet by solder or other means. The opening movement of the hinge and bracelet is limited by the stop-fingers 18 18 on the interlocking pintle-block *e* engaging with the ends 7 and 8 of the bracelet, as shown in broken lines in Fig. 4. These stop-fingers also prevent the members of the hinge from separating when secured in the bracelet. It is evident that the grooves 15 15 could be formed in the sides of the interlocking pintle-block *e* and that the webs 19 19 could be formed on the inner faces of the arms 13 13 without materially affecting the spirit of my invention.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a bracelet, a concealed hinge comprising duplicate hinge members, each having a body portion extending in from one end of which is a central slot forming two side arms in the inner faces of which are curved grooves in the form of an arc and an interlocking pintle-block adapted to fit in the slots in the hinge members and having curved side webs in the form of an arc adapted to enter the curved grooves in the arms of the hinge members, and means for limiting the opening movement of the hinge.

2. In a bracelet, a concealed hinge comprising duplicate hinge members each having a solid body portion extending in from one end of which is a central slot forming two side arms on the inner faces of which are curved webs in the form of an arc and an interlocking pintle-block adapted to fit in the slots in the hinge members and having curved side grooves adapted to receive the curved webs on the arms of the hinge members, and

means for limiting the opening movement of the hinge.

3. A concealed bracelet-hinge comprising two identically-constructed hinge members *d d* each member *d* having a solid body portion 11 extending in from one end of which is a central slot 12 forming two side arms 13 13 having the ends 14 14 and the curved grooves 15 15 in the inner faces of the arms 13 13 in the form of an arc, the center of which is struck on the center on which the hinge turns, and an interlocking pintle-block *e* having the solid body 16 adapted to fit in the slots 12 12 in the hinge members *d d*, the end stop-fingers 18 18, and the curved side webs 19 19 in the form of an arc, the center of which is struck on the center on which the hinge turns, and adapted to fit in the grooves 15 15 in the arms of the hinge members *d d*, as described.

4. The combination with the halves *a* and *b* of a bracelet having the open ends 7 and 8, of a concealed hinge *c* composed of two identically-constructed members *d d*, each member *d* having a solid body portion 11 extending in from one end of which is a central slot 12 forming two side arms 13 13 having the ends 14 14 and the curved grooves 15 15 in the inner faces of the arms 13 13 in the form of an arc, the center of which is struck on the center on which the hinge turns and an interlocking pintle-block *e* having the solid body 16 adapted to fit in the slots 12 12 in the hinge members *d d*, the curved outer edge 17, the end stop-fingers 18 18, and the curved side webs 19 19 in the form of an arc, the center of which is struck on the center on which the hinge turns and adapted to fit in the grooves 15 15 in the arms of the hinge members *d d*, whereby the halves *a* and *b* of the bracelet are pivotally secured together, as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BERNHARD PETERSON.

Witnesses:

ADA E. HAGERTY,
J. A. MILLER.