No. 753,486. PATENTED MAR. 1, 1904.

C. E. HANSEN.

CLASP FOR ARTICLES OF JEWELRY.

APPLICATION FILED DEC. 26, 1902.

NO MODEL.

Fig. 1.

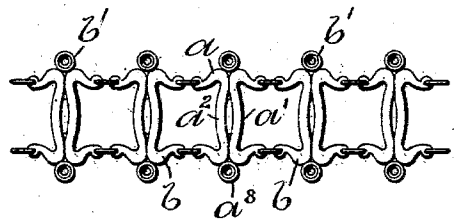


Fig. 2.

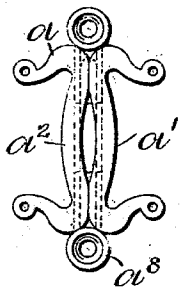


Fig. 3.

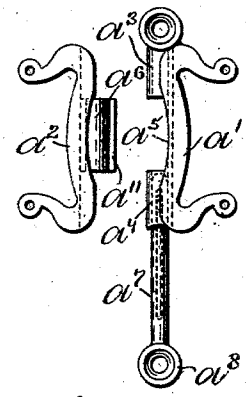


Fig. 4.

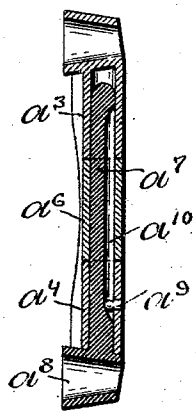


Fig. 5.

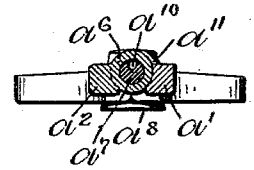
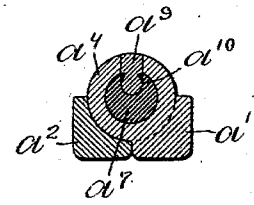


Fig. 6.



WITNESSES:

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No. 753,486. Patented March 1, 1904.

UNITED STATES PATENT OFFICE.

CHARLES E. HANSEN, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO GORHAM MANUFACTURING COMPANY, INCORPORATED, OF PROVIDENCE, RHODE ISLAND.

CLASP FOR ARTICLES OF JEWELRY.

SPECIFICATION forming part of Letters Patent No. 753,486, dated March 1, 1904.

Application filed December 26, 1902. Serial No. 136,529. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. HANSEN, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Clasps for Articles of Jewelry, of which the following is a specification.

This invention has reference to an improvement in clasps for articles of jewelry. such as necklaces or bracelets, for securing the ends of the necklaces or bracelets together.

The ordinary form of clasp as heretofore used has been of a distinct design without reference to the design of the article to which it was secured and did not readily conform to any design different from its own.

The object of this invention is to design and construct a clasp that will readily conform to the design of the parts forming the body of the necklace or bracelet the ends of which are to be secured together by the clasp; and the invention consists in the peculiar and novel construction of a clasp, the two halves being secured or released by a pin working through tubular bosses in the halves, as will be more fully described hereinafter and pointed out in the claims.

Figure 1 is a face view of part of a bracelet, showing my improved clasp in the center and of the same design as the parts forming the body of the bracelet. Fig. 2 is an enlarged face view of the clasp, showing the clasp closed. Fig. 3 is a face view showing the clasp opened. Fig. 4 is a sectional view taken lengthwise through the clasp and fastening-pin. Fig. 5 is a cross-sectional view through the center of the clasp and fastening-pin; and Fig. 6 is a cross-sectional detail view through the clasp, fastening-pin, and stop for limiting the movement of the fastening-pin.

In the drawings, a is my improved clasp of the same design as the parts b b forming the body of the bracelet. The clasp a is formed in two halves a' and a^2 and is secured to the parts b b by rings or other suitable means. The clasp half a' has the two tubular bosses a^3 and a^4 placed on a line centrally with each other and spaced to form the opening a^5 for the projecting tubular boss a^6 on the half a^2, as shown in Fig. 3. The fastening-pin a^7, with the ornamental head a^8, corresponding in design with the ornaments b' b' on the bracelet, is slidingly secured in the boss a^4 by the stop-pin a^9 in the boss working in the groove a^{10} in the fastening-pin. The groove a^{10} runs lengthwise on the back of the fastening-pin a^7 and is inclined outward at the ends to form a stop against the stop-pin a^9 when the fastening-pin is drawn outward and to give a wedging action on the inner end of the stop-pin a^9 when the fastening-pin is forced inward to secure the fastening-pin in its closed position. The stop-pin a^9 is secured in the back of the tubular boss a^4 by solder or other means, and to centrally locate the tubular bosses the clasp half a^2 is undercut for the bosses a^3 and a^4 and has the lip a^{11} in contact with the back of the half a' when the clasp is closed.

To fasten the clasp, the two halves are brought together, with the tubular boss a^6 in the opening a^5. The fastening-pin a^7 is now pushed through the tubular bosses a^4, a^6, and a^3, securely fastening the clasp together, and the outwardly-turned end of the groove a^{10} coming into wedge-like contact with the inner end of the stop-pin a^9 securely holds the fastening-pin a^7 in the closed position.

By my improved construction the two halves of the clasp may be of any design required, preferably of the same design as the parts forming the body of the bracelet or necklace.

As the parts forming the operative connections of the clasp are on the back or concealed, they do not interfere with the design required for the clasp, and by this form of construction a more durable and positive-acting clasp is constructed than has been heretofore done.

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

1. In a clasp for jewelry formed in two halves, interlocking tubular bosses on the two halves, a fastening-pin adapted to pass through the tubular bosses and provided with a groove, and a stop in the groove in the fastening-pin to limit the movement of the pin, as described.

2. In a clasp for jewelry, the halves forming the body of the clasp made in two equal parts, interlocking tubular bosses on the two halves concealed when the clasp is closed, means for centrally locating the tubular bosses, a fastening-pin working in the tubular bosses, a groove in the fastening-pin having a closed end, a stop in the groove in the fastening-pin to limit the outward movement of the pin, and means for frictionally securing the fastening-pin when the clasp is fastened, as described.

3. In combination, a clasp for jewelry formed in two separable parts or halves having interlocking tubular bosses, the half a' having the tubular bosses a^3 and a^4 spaced to form the opening a^5 for the tubular boss a^6 on the half a^2, the fastening-pin a^7 with the head a^8 slidingly secured in the boss a^4 by the stop-pin a^9 working in the groove a^{10} in the fastening-pin, means comprising the stop-pin a^9 and the outwardly-turned ends of the groove a^{10} to limit the outward movement of the fastening-pin a^7 and to frictionally secure the fastening-pin in its inward position, and means for centrally locating the tubular bosses a^3, a^4 and a^6 when the clasp is closed, as described.

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

CHARLES E. HANSEN.

Witnesses:
B. S. WEBSTER,
J. A. MILLER, Jr.