

(No Model.)

H. GORMAN.  
CHAIN LINK.

No. 258,411.

Patented May 23, 1882.

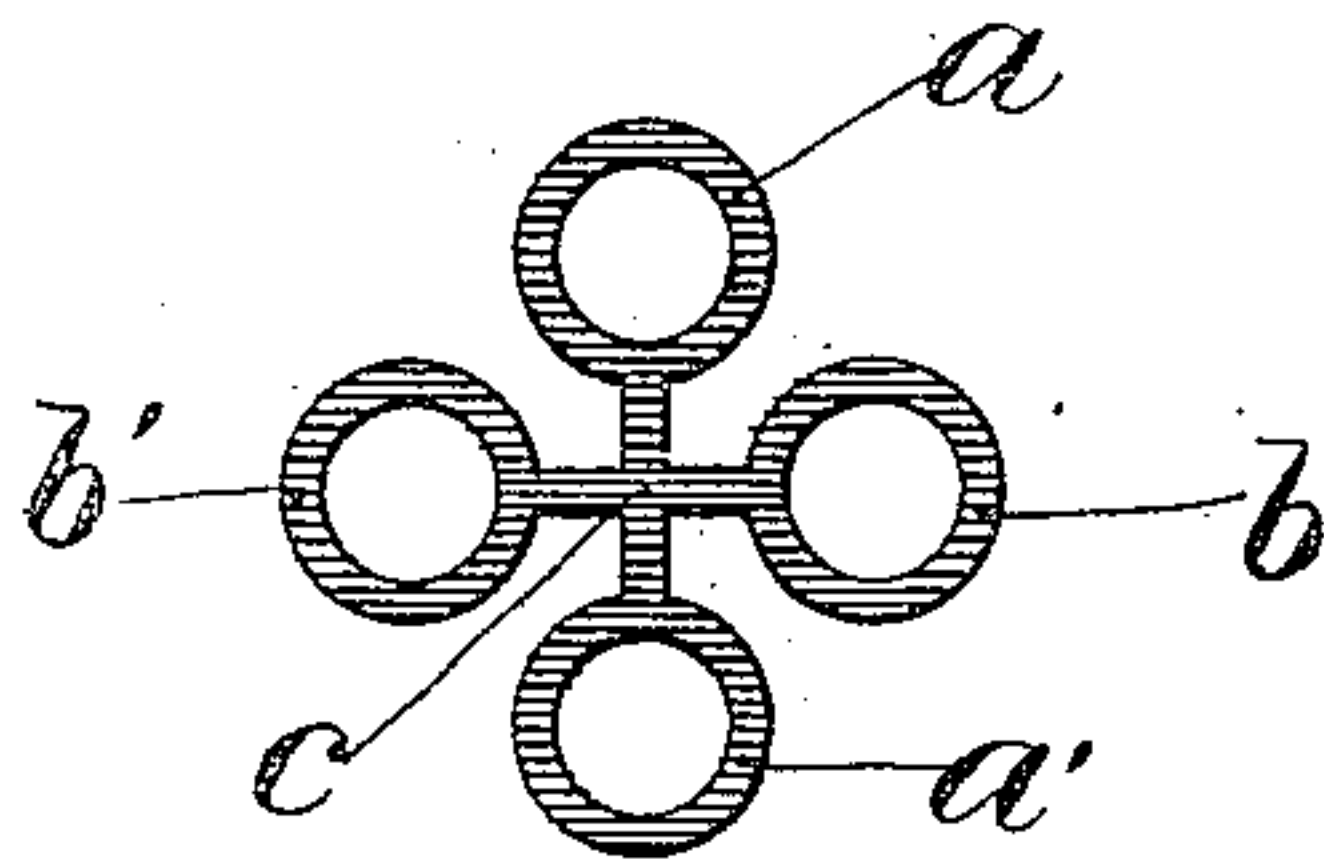


FIG. 1.

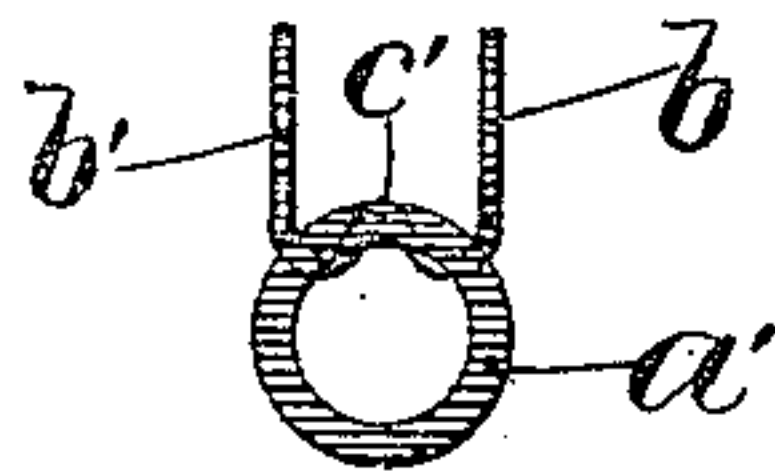


FIG. 2.

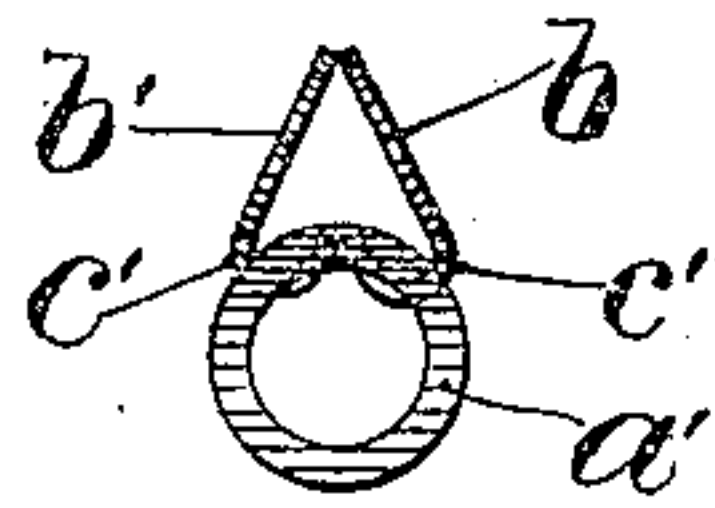


FIG. 3.

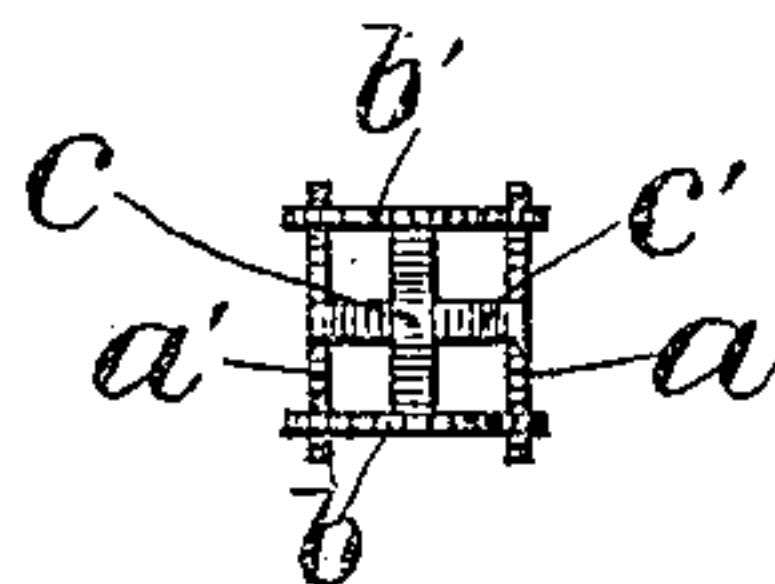


FIG. 4.

WITNESSES:

*Charles Hannigan.*

*Geo. H. Remington*

INVENTOR:

*Henry Gorman*

# UNITED STATES PATENT OFFICE.

HENRY GORMAN, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR OF THREE-FOURTHS TO SYLVESTER G. MARTIN, WILLIAM A. COPELAND, AND EDGAR W. MARTIN, ALL OF SAME PLACE.

## CHAIN-LINK.

SPECIFICATION forming part of Letters Patent No. 258,411, dated May 23, 1882.

Application filed September 16, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY GORMAN, 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 Chain-Links; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improved chain-link, which is used more particularly as an article of jewelry—such as vest-chains, necklaces, &c.

Heretofore this style of link, which is the well-known "Parepa" pattern, has been formed by soldering four single rings together, which is an expensive mode of manufacture.

The object of my invention is to produce a link of the above pattern whereby I dispense with all soldering whatever, together with other objectionable features.

My invention consists in forming the links from a punched cross-shaped blank having annular ends.

In the accompanying drawings, (enlarged scale,) in which similar letters of reference indicate like parts, Figure 1 represents a cross-shaped blank having annular ends. Fig. 2 represents a side view of the blank with its opposite ends bent at right angles to each other.

Fig. 3 represents a side view of the link complete. Fig. 4 represents a top view of Fig. 2.

The blank from which the link is formed consists of the cross *c*, having annular terminations *a a'* and *b b'* formed thereon.

By employing an ordinary machine having a series of punches and dies the stock is fed into it and punches out the blank represented in Fig. 1, after which the blank has its opposite ends, *b' b*, bent up and ends *a' a* bent down, and finally the ends brought together, as shown in Fig. 3, which completes the link.

By crimping the cross portion *c* at the points *c'*, I am enabled to make the finished link shorter, (see Fig. 3,) and consequently more compact and stronger.

It is obvious that a chain made from my improved links can be produced more rapidly, and at the same time be more uniform in size and stronger than would be possible with a soldered link.

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

The improved chain-link herein described, consisting of the cross-shaped blank, with its annular ends *a a'* bent upward and together and ends *b b'* bent downward and together, substantially as and for the purpose specified.

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

HENRY GORMAN.

Witnesses:

GEO. H. REMINGTON,  
CHARLES HANNIGAN.