W. ROEMER.

CHAIN-LINK.

No. 169,731.

Patented Nov. 9, 1875.

Fig: 1

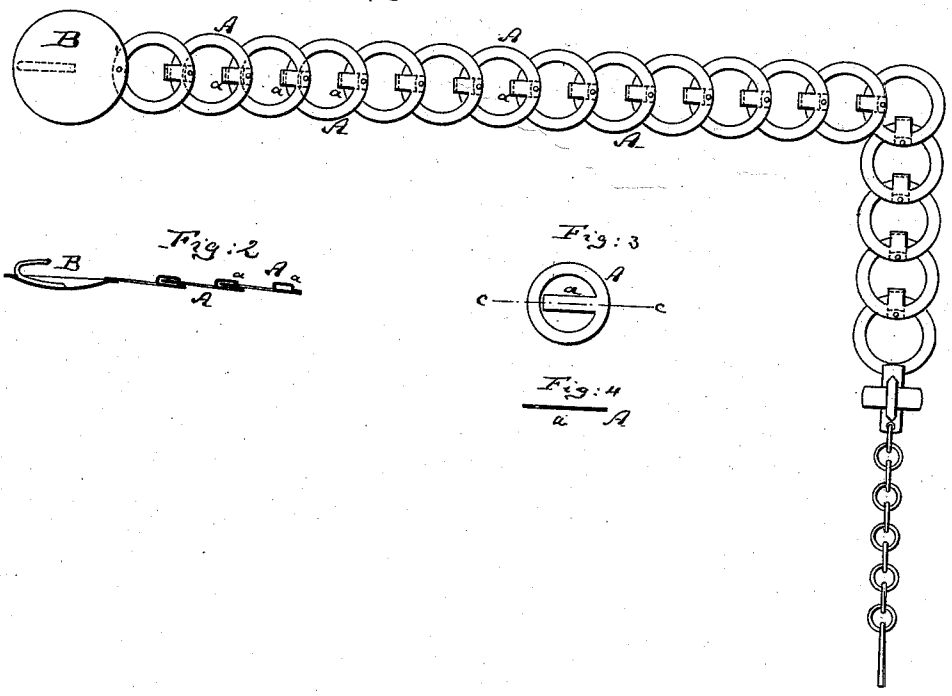

Fig: 2

Fig: 3

Fig: 4

Witnesses:

A. Moraga.

Ernest Cobb.

Inventor:

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by his attorney

Chas. Bressen

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UNITED STATES PATENT OFFICE.

WILLIAM ROEMER, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN CHAIN-LINKS.

Specification forming part of Letters Patent No. **169,731**, dated November 9, 1875; application filed October 16, 1875.

To all whom it may concern:

Be it known that I, WILLIAM ROEMER, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Chains, of which the following is a specification:

Figure 1 is a face view of my improved chain. Fig. 2 is a longitudinal central section of the same. Fig. 3 is a face view of the blank for one of the links. Fig. 4 is a central section thereof in the line *c c*, Fig. 3.

Similar letters of reference indicate corresponding parts in all the figures.

This invention relates to an improvement in that class of chains in which the contiguous links are connected by an eye that is fastened to one link and loosely embraces the other.

Heretofore, in such chains, each eye was formed of a separate strip of metal, riveted or soldered at both of its ends to the link with which it was to be connected.

My invention consists in making the link and the eye in one piece, so that only one end of the strip forming the eye need be riveted to the link.

The letters A A A in the drawing represent a series of links composing my improved chain. These links may be made of metal, hard rubber, or other material, and are of annular or suitable form. Each link A is provided and made in one piece, with a projecting strip, *a*, which, in the drawing, is shown to project from the inner edge of the annular link diametrically across the hole in the link, but which has its outer end disconnected to allow it to be bent, as hereinafter described. Each of these strips *a* is bent backward—*i. e.*, doubled over—and the eye thus formed is made to embrace the next link of the chain. The free end of each strip *a* is thereupon riveted by a rivet, *d*, or otherwise fastened to the face of the same link on which it is formed.

The ends of the chain may be provided with hooks and eyes B, or other suitable fastening devices.

By the above construction the strength of the chain is greatly increased and its appearance improved, as each link will be perfectly smooth on one face, which in use should be the outer or exposed face.

By this invention, also, material is saved, as the strip *a* is about one-fourth shorter than it must be whenever it is not made as part of the blank.

This chain, made according to my invention, may be used for all the purposes for which chains are or may be now employed—such as watch-chains, belts, &c.

I claim as my invention—

A chain-link, A, made in one piece with the projecting strip *a*, which forms the eye for joining the contiguous link, substantially as described.

The foregoing description of my invention signed by me this 15th day of October, 1875.

WILLIAM ROEMER.

Witnesses:

ERNEST C. WEBB,

A. MORAGA.