

P. E. WITHERELL.
ORNAMENTAL CHAINS.

No. 181,511.

Patented Aug. 22, 1876.

Fig. 1

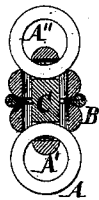


Fig. 2.

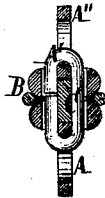
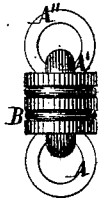


Fig. 3.



Witnesses.

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per

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UNITED STATES PATENT OFFICE.

PROCTOR E. WITHERELL, OF NORTH ATTLEBOROUGH, MASSACHUSETTS,
ASSIGNOR TO DAVIDSON BROTHERS, OF SAME PLACE.

IMPROVEMENT IN ORNAMENTAL CHAINS.

Specification forming part of Letters Patent No. **181,511**, dated August 22, 1876; application filed
June 5, 1876.

To all whom it may concern:

Be it known that I, PROCTOR E. WITHERELL, of North Attleborough, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Ornamental Chain-Links, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a longitudinal section of my improvement. Fig. 2 is a similar section thereof in a plane at right angles to Fig. 1. Fig. 3 shows a modification of my improvement.

Similar letters indicate corresponding parts.

My improvement is especially adapted to links for ornamental chains; and it consists in the combination of three interlaced rings and two or more transverse rings, which are arranged with the inner or interlaced ring in such a manner that the said transverse rings are held in position by the two outer rings. Within the inner or middle interlaced ring is placed a filling-piece, by the action of which the several parts are held in symmetric positions, as will be hereinafter explained at length.

In the drawing, the letters A A' A'' designate the three interlaced rings of my link, and B the transverse rings, which, in the example shown in Figs. 1 and 2, are three in number, and in Fig. 3 consists of a series of five, such transverse rings being placed side by side, and of the form shown, and being made of different shapes from each other. The inner or middle interlaced ring A' is preferably made oblong, while the outer rings A

A'' are circular, or of any other suitable form. The transverse rings B are arranged around the inner or middle interlaced ring A', and are there held in place by the two outer rings A A''. Within the middle or oblong interlaced ring A' is placed a filling-piece, C, which is so made as to allow the outer rings A A'' to be interlaced with the inner ring, but at the same time to press the said outer rings tightly against the ends of the inner ring, as clearly seen in Figs. 1 and 2. By this means either of the outer interlaced rings A A'' is prevented from moving inwardly, and, consequently, the transverse rings B are held in a central position with relation to each of the interlaced rings.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, in a chain-link, of three interlaced rings, A A' A'', and two or more transverse rings, B, arranged around the inner or middle interlaced ring, substantially as described.

2. The combination of a filling-piece, C, with the middle interlaced ring A', and with the outer rings A A'' and the transverse rings B, for the purpose of holding the several parts in symmetrical positions, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 30th day of May, 1876.

PROCTOR E. WITHERELL. [L. S.]

Witnesses:

JOHN DAGGETT,
JAMES L. HEELEY.