

(No Model.)

H. G. BACON.  
ORNAMENTAL CHAIN.

No. 301,789.

Patented July 8, 1884.

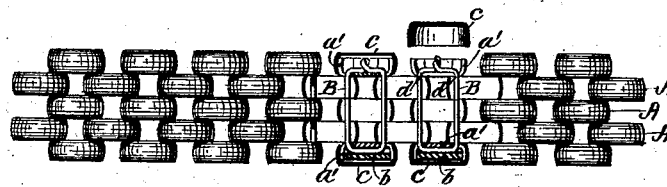


Fig. 1.



Fig. 2.

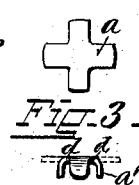


Fig. 3.

Fig. 4.



Fig. 5.



Fig. 6.

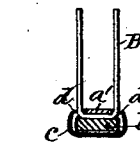


Fig. 7.



Fig. 8.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

HARLAND G. BACON, OF PLAINVILLE, MASSACHUSETTS, ASSIGNOR TO  
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## ORNAMENTAL CHAIN.

SPECIFICATION forming part of Letters Patent No. 301,789, dated July 8, 1884.

Application filed May 23, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, HARLAND G. BACON, of Plainville, in the county of Norfolk and State of Massachusetts, have invented an Improvement in Ornamental Chains, of which the following is a specification.

My invention relates to an improvement in the construction of what are known as "roller-chains;" and it consists in the peculiar and novel manner in which the end units are combined with the connecting-staples and the intervening beads to form the chain.

Figure 1 is a plan view and partial section of the roller-chain. Figs. 2, 3, 4, 5, 6, 7, and 8 are detail views.

In the drawings, A A are the center beads of the chain, which are formed and arranged in the chain in the usual manner. B B are the wire staples which serve to secure the beads A in parallel rows of alternating beads, as shown in Fig. 1.

To form the edge units of the chain I first cut out a blank, *a*, in the form of a cross, as shown in Fig. 3, and fold the radiating arms of the cross in a die to the form shown in the edge elevation, Fig. 4. I also provide a plain circular disk, *b*, (shown in perspective in Fig. 5,) and also a cap, *c*. (Shown in section in Fig. 6.) I then arrange an edge unit upon the staple B, as shown in Fig. 7, by passing the parallel wires of the staple upward in the

opposite notches, *d d*, of the folded cross *a'*, as shown in the end view, Fig. 8, and within the folded arms of the cross I place the disk *b*, and over the whole I place the cap *c*, and turn the edge of the cap *c* inward, thus securely clasp-  
ing the folded cross *a'* and forming a finished head for the staple B. After placing the intervening beads A A A over the staple-wires, I place the folded cross *a'* between the wires  
of the staples, the wires occupying the opposite notches, *d d*, of the cross, and twist the ends of the staples together, as shown in Fig. 1, and over the folded ends of the cross *a'*, I place the cap *c* and press the same in a suitable die, thus closing the edge of the cap around the base of the folded arms of the cross, and forming a desirable finish for the edge units of the chain.

I claim as my invention—

1. The combination, with the beads A A, united by the staples B B, of the folded crosses *a' a'* and the caps *c c*, substantially as described.

2. The combination of the staples B, folded cross *a'*, disk *b*, and cap *c*, substantially as described.

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Witnesses:

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