

(No Model.)

B. F. EVANS.  
ORNAMENTAL CHAIN.

No. 323,862.

Patented Aug. 4, 1885.

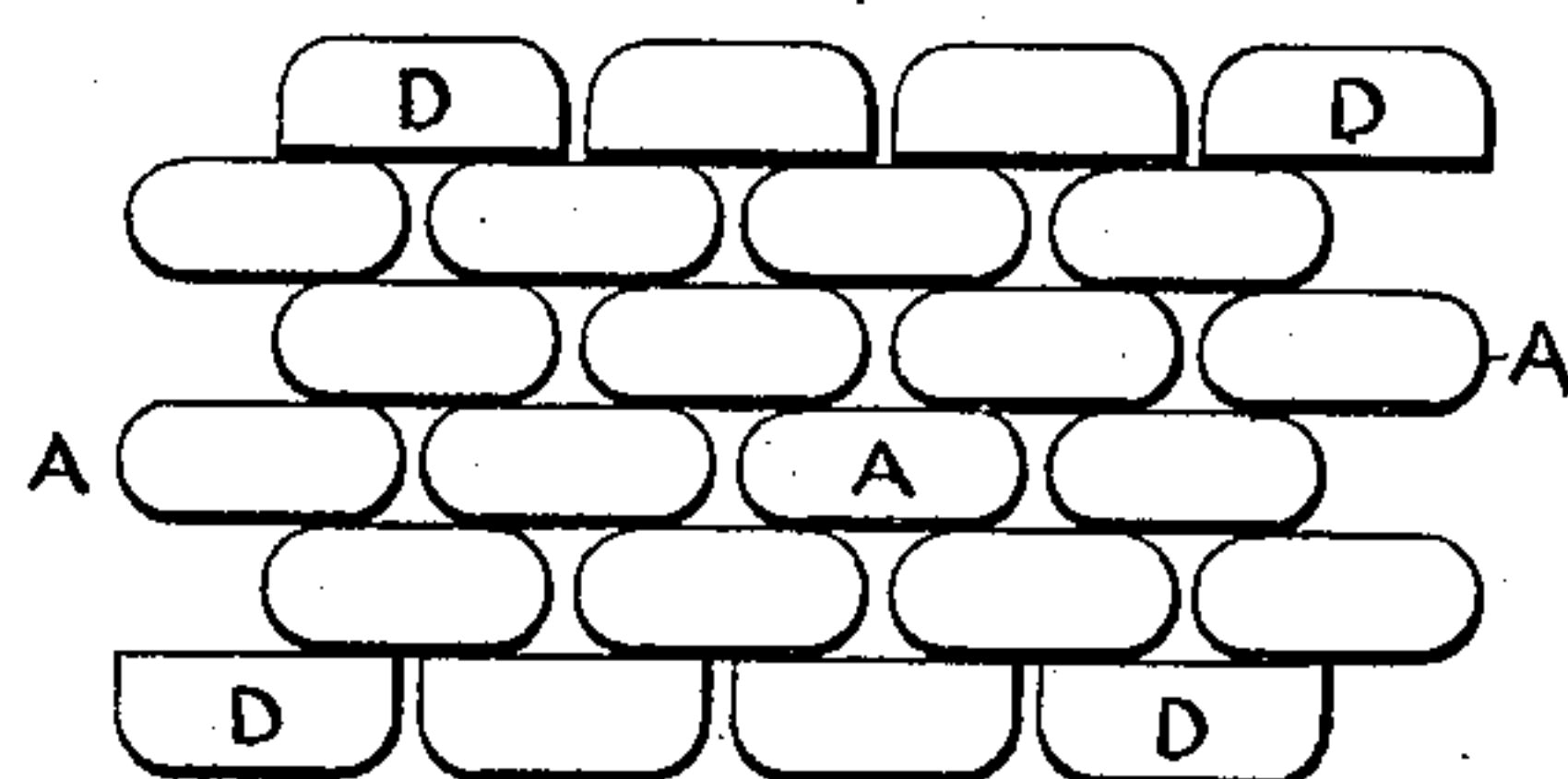


FIG. 1.

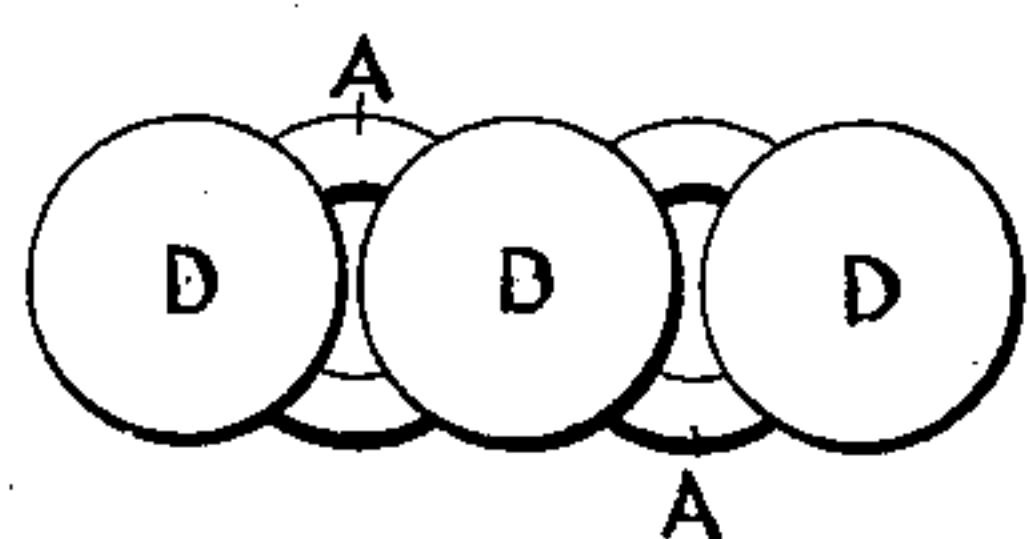


FIG. 2.

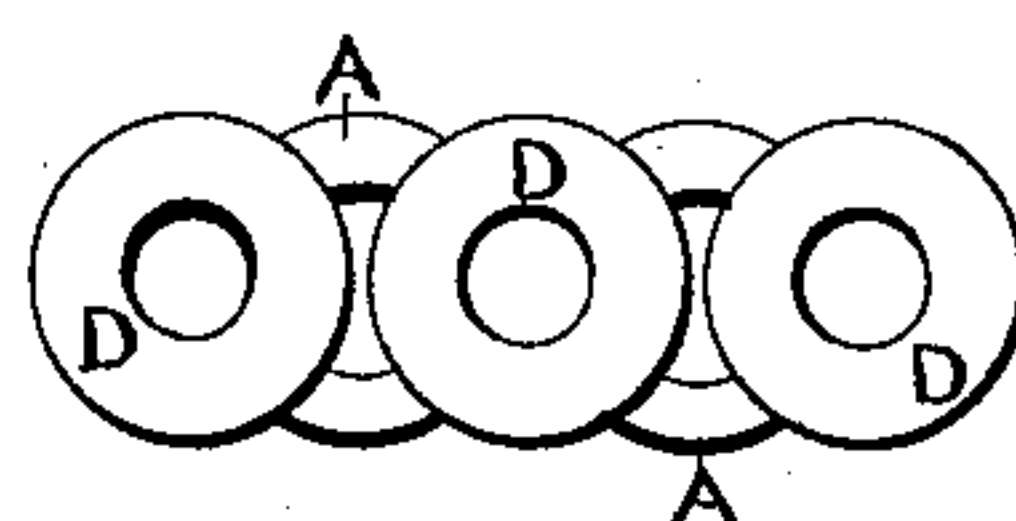


FIG. 3.

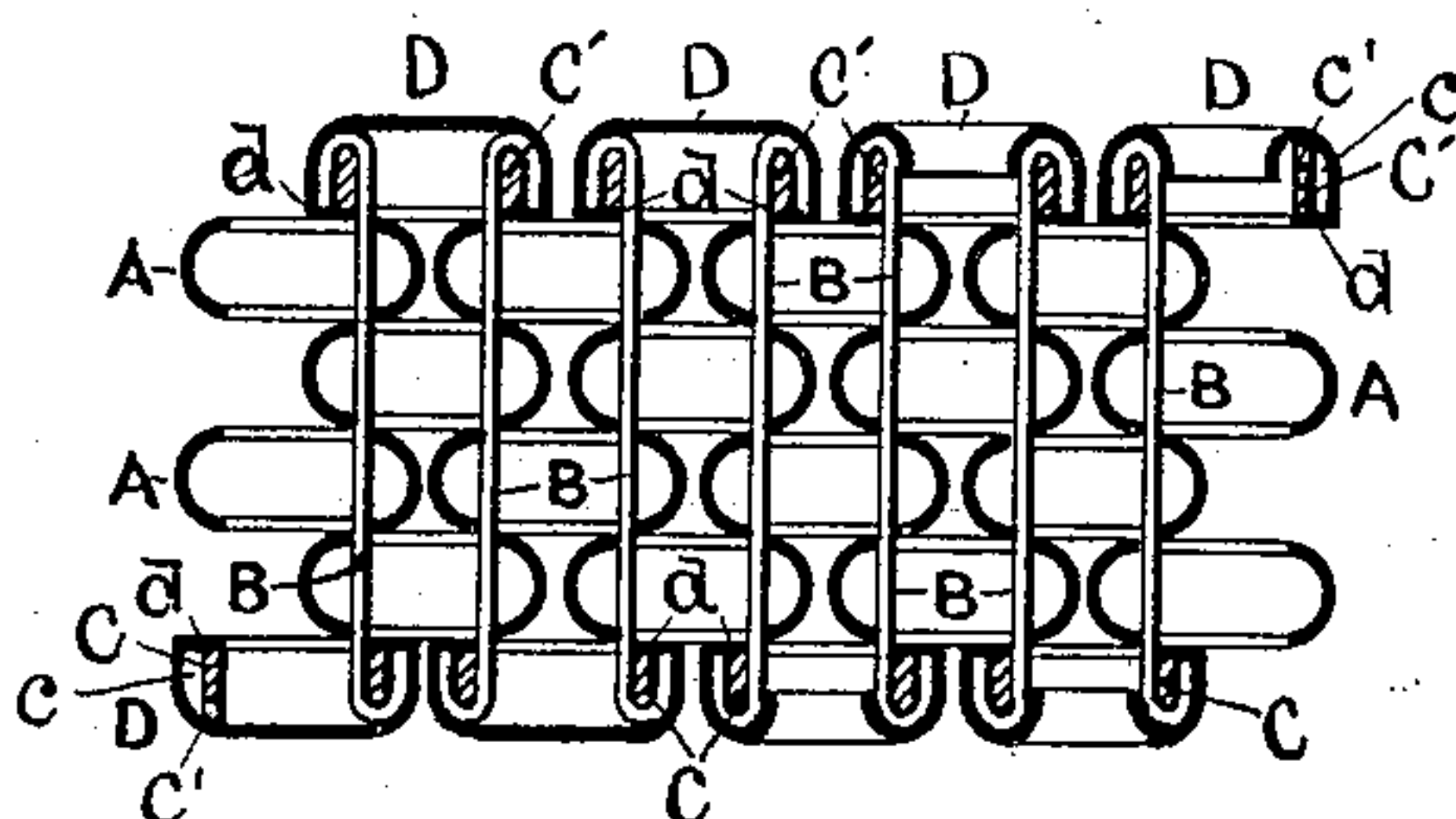


FIG. 4.

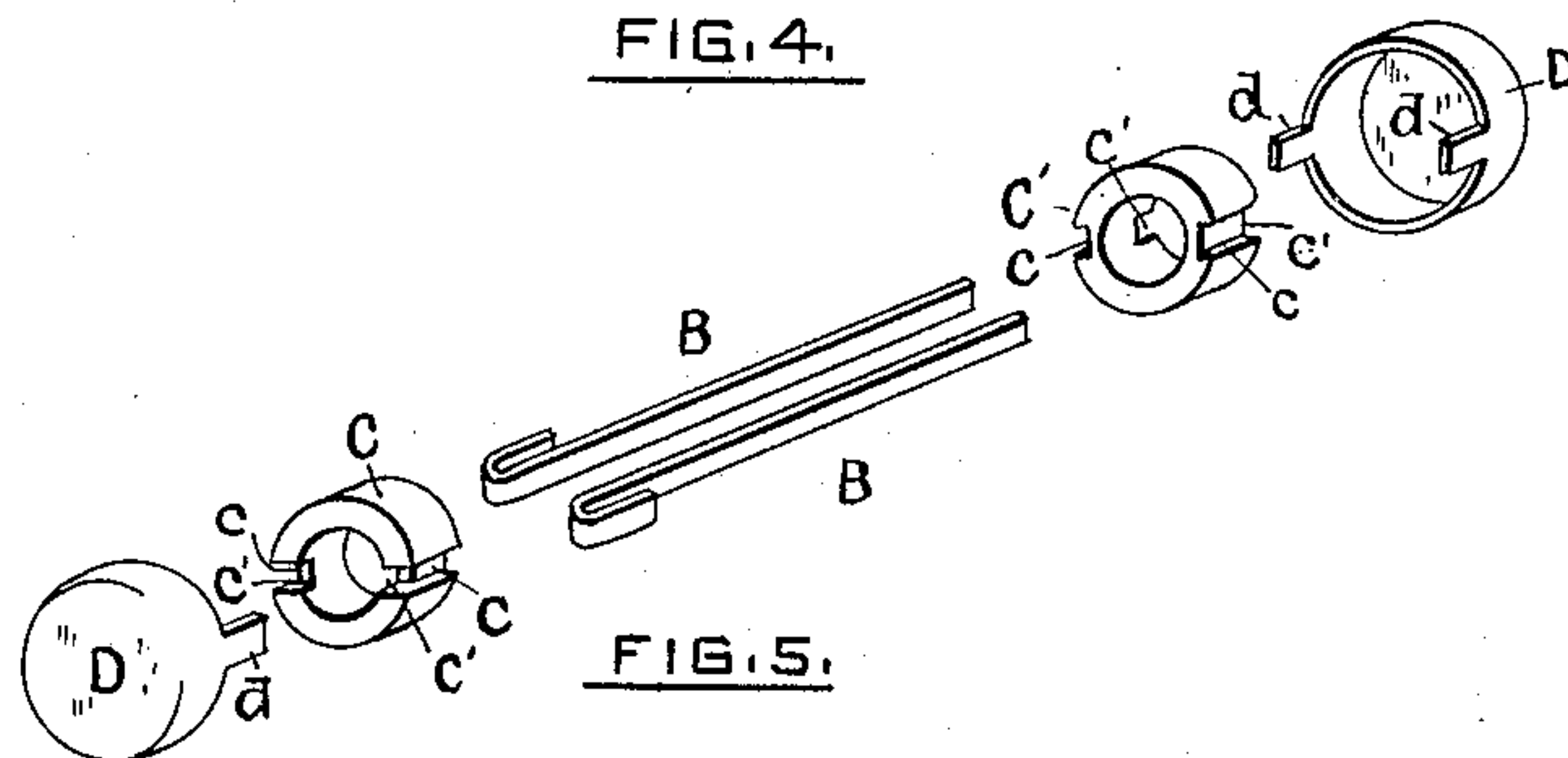


FIG. 5.

WITNESSES,

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# UNITED STATES PATENT OFFICE.

BENJAMIN F. EVANS, OF ATTLEBOROUGH FALLS, MASSACHUSETTS.

## ORNAMENTAL CHAIN.

SPECIFICATION forming part of Letters Patent No. 323,862, dated August 4, 1885.

Application filed May 18, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, BENJAMIN F. EVANS, of Attleborough Falls, in the county of Bristol and State of Massachusetts, have invented  
5 a new and useful Improvement in Ornamental Chains; and I do hereby declare the following specification, taken in connection with the accompanying drawings, forming a part of the same, to be a description thereof.

10 This invention relates to that variety of ornamental chains composed of rows of rings or beads, which are secured to each other by transverse fastening-pins or wires.

The invention consists in certain features  
15 of construction, hereinafter described and claimed, by which the ends of the fastening-pins are concealed from view, and yet the edges of the chain are made to appear as though rows of beads extended along said  
20 edges.

In the accompanying drawings, Figure 1 shows a face view of a piece of chain embodying the invention. Fig. 2 represents a side view of the chain partly finished. Fig.  
25 3 shows a side view of the same with the edge of the chain finished or completed. Fig. 4 represents a horizontal section through Figs. 2 and 3. Fig. 5 shows in perspective certain parts in detail.

30 A are the beads which mainly compose the chain and are arranged in transverse rows of any desired length. B are the fastening-pins or wires, which extend transversely of the chain and secure the rows of beads together.  
35 C C' are rings over and upon which the fastening-pins are clinched, and D are caps having tangs *d* by which the caps are secured upon said rings to conceal the ends of the pins B. As shown in Figs. 4 and 5, the rings  
40 C C' are preferably provided with grooves *c c'* upon the periphery and one edge, so that the bent ends of the fastening-pins shall not project beyond the surface of the rings when combined therewith.

45 In assembling the parts of the chain, the fastening-pins B are bent at one end, as shown in Fig. 5, and two of them are hooked upon a ring, C, in the grooves *c c'*. A cap, D, is then placed upon the ring and secured  
50 thereto by bending the tangs *d* inwardly thereon, the whole forming a staple. The legs of this staple are then passed through two contiguous transverse rows of beads, A. One leg of a staple similarly formed is then  
55 passed through one of said transverse rows

of beads and the other leg through the next contiguous row. A ring, C', is now placed over the two adjacent legs of these staples, and said legs are bent outwardly and downwardly through the grooves *c c'*. A cap, D, 60 is then placed upon the ring C' and secured thereto by bending inwardly the tangs *d*. In this manner a chain of any desired length is formed, the edge appearing as in Fig. 2.

In order to give the edges of the chain an 65 appearance as though longitudinal rows of beads extended along said edges, the central portions of the heads of the caps D are forced inwardly by a properly-shaped tool, thereby perforating the caps, as shown in 70 Figs. 3 and 4, and bending the stock thereof down upon the inside of the rings C C', thus leaving the bent ends of the fastening-pins B covered and concealed, and giving to the caps the appearance of beads when viewed 75 sidewise.

If desired, the grooves *c c'* in the rings C C' may be dispensed with and the rings be made sufficiently thin or small to allow the pins B to be bent over them and the caps D 80 to be placed thereon, as will be readily understood.

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

1. The combination, with the beads A, of the 85 rings C C', the fastening-pins B, secured to said rings, and the caps D secured to the rings and having their central portions bent or forced inwardly, whereby the ends of the fastening-pins are concealed and the edges of 90 the chain are made to appear as though beads extended along said edges, substantially as set forth.

2. The combination, with the beads A, of the rings C C', the fastening-pins B, bent at 95 their ends over upon said rings, and the caps D, secured to said rings by tangs *d*, bent inwardly under the rings, substantially as set forth.

3. The combination, with the beads A, of 100 the rings C C', having grooves *c c'*, the fastening-pins B, bent over the rings in said grooves, and the caps D, covering the rings and the bent ends of the fastening-pins, and centrally perforated, substantially as set forth. 105

BENJAMIN F. EVANS.

Witnesses:

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