(No Model.)

W. C. EDGE.

CHAIN.

No. 324,016. Patented Aug. 11, 1885.

Fig. 1.

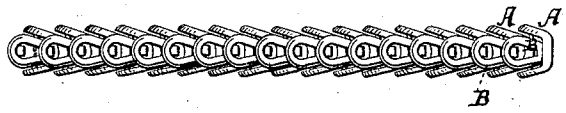


Fig. 2.



Fig. 3.

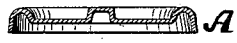


Fig. 4.

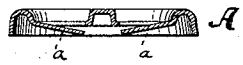


Fig. 5.

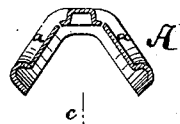


Fig. 6.

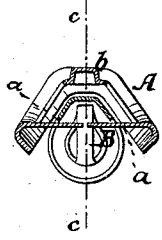
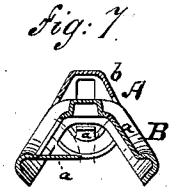


Fig. 7.



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UNITED STATES PATENT OFFICE.

WILLIAM CHARLES EDGE, OF NEWARK, NEW JERSEY.

CHAIN.

SPECIFICATION forming part of Letters Patent No. 324,016, dated August 11, 1885.

Application filed April 10, 1885. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM CHARLES EDGE, a resident of Newark, in the county of Essex and State of New Jersey, have invented an Improvement in Chains, of which the following is a full, clear, and exact description, reference being made to the accompanying drawings, in which—

Figure 1 is a side view of my improved chain. Fig. 2 is an enlarged face view of a blank from which a link of my chain is made. Fig. 3 is a longitudinal section of said blank. Fig. 4 is a longitudinal section of the blank after it has been punched to produce two lips thereon. Fig. 5 is a longitudinal section of said blank after the same has been bent into shape for use in the chain. Fig. 6 is a longitudinal section of said blank when a link in the chain, showing another such link drawn crosswise through it. Fig. 7 is a vertical cross-section on the line *c c*, Fig. 6.

This invention relates to a new construction of chain which is composed of links of peculiar kind, each link having a set of lips by which it is locked in position in the chain, and by which it connects with the adjoining links, all as hereinafter more fully described.

In Fig. 2 of the drawings I have shown a plan view on an enlarged scale, and in Fig. 3 a sectional view, of one of the blanks from which my chain-links are made. This blank may either have the outline which is represented in Fig. 2, or any other suitable outline; and it may have the raised rim which is represented in Figs. 2 and 3, and the raised center there shown, or not, these being immaterial features of the link. The blank A here represented, after having been shaped and cut out, is next cut so as to produce from within it two lips, *a a*, which are represented in Fig. 4, and after that the blank is bent so as to carry its ends down, as in Fig. 5. This Fig. 5 represents the lips *a a* as still occupying their original position in the blank. After the blank has thus been formed into the link, which is represented in Fig. 5, the lips *a a* are turned down so as to become aligned one with the other, as is clearly shown in Fig. 6, so that the two lips form a bridge across the broad end of the V-shaped link. Through the opening which is formed between the lips *a* and the crown or narrow end *b* of this link is now introduced transversely another such link, B, which at the time of its introduction has its lips *a a* still in the position shown in Fig. 5. After the second link, B, has thus been hung upon the lips *a* of the first link, A, the lips *a* of the link B are turned down (one is shown turned down in Fig. 7) across the lower part of the link B, which is now adapted to have passed through it another link of the same construction, which third link will occupy a position parallel to the link A, and so forth, every other link being at right angles to the contiguous links in the chain. Thus a chain which, when finished, will resemble that shown in Fig. 1 is produced entirely without soldering, yet rich in appearance.

I claim—

1. The chain-link A, constructed with the lips *a a*, which traverse the link at the open part thereof, as described.

2. A chain composed of links A and B, that are placed at right angles to one another, each of such links having lips *a a*, around which the adjoining link is placed, substantially as herein shown and described.

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