(No Model.)

F. EGGE.

SHEET METAL CHAIN.

No. 386,390. Patented July 17, 1888.

Fig. 1.

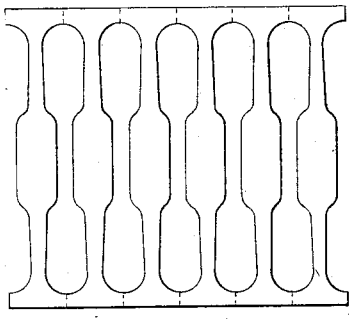


Fig. 2.

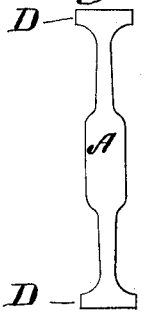


Fig. 3.

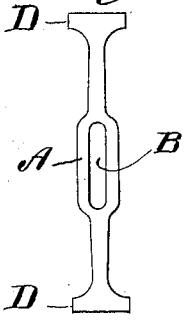


Fig. 4.

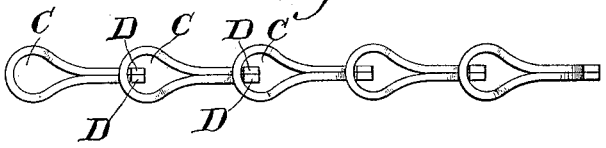
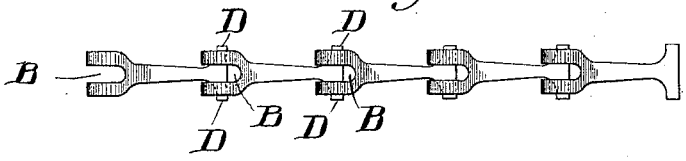


Fig. 5.



Witnesses
S. S. Williamson.
Julian H. Sterling

Inventor.
Frederick Egge.
By J. M. Schmuck & Co.
Atty.

UNITED STATES PATENT OFFICE.

FREDERICK EGGE, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE SMITH & EGGE MANUFACTURING COMPANY, OF SAME PLACE.

SHEET-METAL CHAIN.

SPECIFICATION forming part of Letters Patent No. 386,390, dated July 17, 1888.

Application filed June 8, 1888. Serial No. 276,443. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK EGGE, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Sheet-Metal Chains; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has reference to certain new and useful improvements in sheet-metal chains, and has for its object to provide a light and exceedingly strong chain; and with these ends in view my invention consists in certain details of construction and combination of elements, such as will be hereinafter fully set forth, and then specifically designated by the claims.

In the accompanying drawings, Figure 1 is an elevation showing a strip of scrap, as will be hereinafter explained, from which I prefer to make my improved chain; Fig. 2, a detail of a blank cut from said scrap, Fig. 3, a similar view showing said blank punched out at the center; Fig. 4, a side elevation of a chain made in accordance with my improvement, and Fig. 5 a plan of the same.

Similar letters denote like parts in the several figures.

In the manufacture of sheet-metal chain under and in accordance with Letters Patent No. 202,528, issued to me April 16, 1878, the scrap which remained after blanking the links from the metal strip was of such configuration as to suggest the feasibility of cutting from said scrap a second series of links for the formation of a light chain. I succeeded in making several styles of chain from this scrap; but the present invention is an exemplification of the manner in which I first utilized this scrap, and, moreover, the chain thus produced can be made very cheaply, since I consume in its manufacture nearly all the scrap aforesaid.

The blanks A are cut from the scrap shown at Fig. 1, and a slot, B, cut lengthwise of the blanks and within the central portion thereof. A blank is folded so that the central portion forms an eye, C, while the heads D register. The heads D of this folded blank are now inserted within the slot B of a straight blank and given a quarter-turn, so as to bring said heads athwart of said slot, when the straight blank is folded after the manner of the preceding blank and the registered heads thereof inserted within the slot of a succeeding straight blank, these operations being continued throughout the formation of the chain.

Of course I can cut suitable blanks from wholestock; but I prefer to utilize the scrap as specified, since I am enabled to thereby form a highly satisfactory chain at a greatly-reduced cost.

It will be readily understood that a sheet-metal chain constructed as above set forth will not kink, and this is an advantage rarely met with in a cheap sheet-metal chain.

I claim—

1. A sheet-metal chain formed from blanks having heads at each end and a slot in the middle, said blanks being folded to constitute links, the heads of each link being connected to the succeeding link through the slot in the latter, substantially as set forth.

2. In a sheet-metal chain formed from blanks having heads at each end and a slot in the middle, the links formed by folding the blanks so that the heads register, the heads of each link being inserted within and turned athwart the slot of the succeeding blank prior to the folding of the latter, substantially as shown and set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FREDERICK EGGE.

Witnesses:
S. S. WILLIAMSON,
F. W. SMITH, Jr.