

G. TRINKS.
ORNAMENTAL CHAINS.

No. 180,078.

Patented July 18, 1876.

Fig:1.



Fig:2.



Fig:3.



Fig:4.



Witnesses:

Henry Gentner
Chas. Wahlen

Inventor:

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pr
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UNITED STATES PATENT OFFICE.

GREGOR TRINKS, OF NEW YORK, N. Y.

IMPROVEMENT IN ORNAMENTAL CHAINS.

Specification forming part of Letters Patent No. **180,078**, dated July 18, 1876; application filed July 30, 1874.

To all whom it may concern:

Be it known that I, GREGOR TRINKS, of the city, county, and State of New York, have invented a certain new and useful Improvement in the Manufacture of Ornamental Chains, of which the following is a specification:

This invention is illustrated in the accompanying drawing, in which—

Figure 1 represents a plan of a wire from which the chain-links are stamped. Fig. 2 is a transverse section of the same. Fig. 3 is a side view of the chain in its progress of being manufactured. Fig. 4 is an end view of the same.

Similar letters indicate corresponding parts.

This invention consists in a chain composed of links, which are stamped out of a flattened piece of wire, and then connected by passing each link (except the first two) through the loops of two preceding links, and then opening said links by means of a suitable tool in such a manner that a strong and durable ornamental chain is produced of a series of closed links without the use of solder.

In carrying out my invention I take a piece of wire, A, and pass the same through a pair of rolls, so that it becomes flattened, as shown in Fig. 2. Out of this wire I stamp the links *a*, as indicated in Fig. 1, and these links I double up and pass them each (with the exception of the first two) through the loops of two preceding links, said loops being opened by means of a suitable tool after the link has been passed through the preceding links.

In making my closed links I flatten wire, such as shown in Figs. 1 and 2, because in stamping the links from such flattened wire

the outside edges of each link remain rounded, retaining the shape of the edges of the flattened wire, while the inside edges of each link become partially rounded by the action of the cutting-dies, and when the chain is completed it has the appearance of a chain made of wire links, the ends of which are soldered together.

By my invention, in either case, an ornamental chain is produced of closed links without the use of solder, and since my links become absolutely uniform in size and shape, the appearance of my chain is superior to that of similar chains produced from wire links which are closed by means of solder; and, furthermore, considerable time and labor are saved, since by my method a very large number of closed links can be produced in a comparatively short time.

I am aware that links for ornamental chains have been stamped out of sheet metal and connected in the same manner in which my links are connected. Such links necessarily have square edges, and a chain formed from the same has an appearance different from the chain formed from my links.

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

An ornamental chain, the links *a* of which are formed of round wire with flattened sides and convex edges, and connected substantially in the manner shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 27th day of July, 1874.

GREGOR TRINKS.

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.