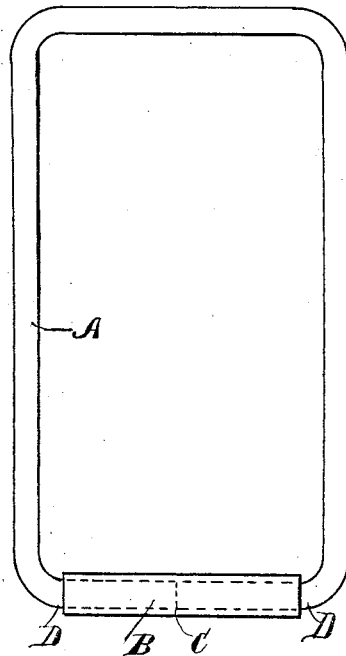


S. W. KERSHNER.  
Links for Chain-Pumps

No. 208,608.

Patented Oct. 1, 1878.



WITNESSES;

*Byron A. Lee*  
*George Bennett.*

INVENTOR,

*Stephen W. Kershner*  
*Per E. Smith*  
*his Attorney.*

# UNITED STATES PATENT OFFICE.

STEPHEN W. KERSHNER, OF INDIANAPOLIS, INDIANA.

## IMPROVEMENT IN LINKS FOR CHAIN-PUMPS.

Specification forming part of Letters Patent No. **208,608**, dated October 1, 1878; application filed July 19, 1878.

*To all whom it may concern:*

Beit known that I, STEPHEN W. KERSHNER, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Link, designed to be used principally in chain-pumps and elevators, of which the following is a description, reference being had to the accompanying drawing.

My invention relates to bent-wire links.

Previous to my invention, in the manufacture of chain-pumps and elevators, there has been great difficulty in making wire links strong, durable, and cheap. Links have been made of wire, with the ends bent similar to mine, and also with cases that have been loosely attached over the bent ends; but when links of such construction have been subjected to strain they spread apart at the joint, and are soon rendered worthless.

The object of my invention is to construct a wire link so that it will not open at the joint of the two ends when said link is subjected to strain.

My invention consists of a wire link having

its bent ends incased in a sheath or case and soldered fast thereto, as will be hereinafter described.

In the accompanying drawing my invention is represented by a single figure, in which—

A represents the link. The two bent ends D D are inserted in the sheath or case B, with the joint C near the center of said case. The case B is then soldered fast to the ends, thus making the link homogeneous, and preventing it from spreading apart at the joint C when subjected to strain.

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

A bent-wire link, A, having its ends D D incased in a sheath and soldered fast, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

STEPHEN W. KERSHNER.

Witnesses:

EDWARD S. POPE,  
E. O. FRINK.