

L. W. STOCKWELL.
Detachable Links for Drive-Chains.

No. 219,126.

Patented Sept. 2, 1879.

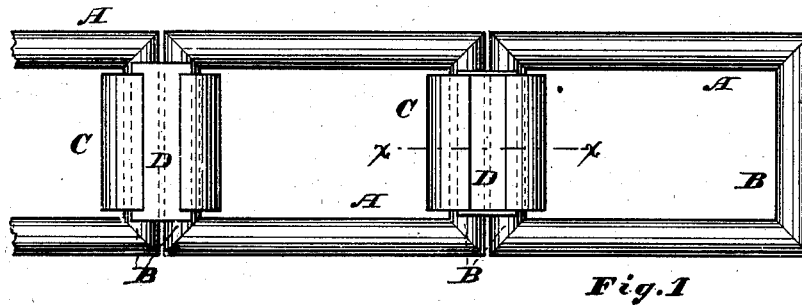


Fig. 1

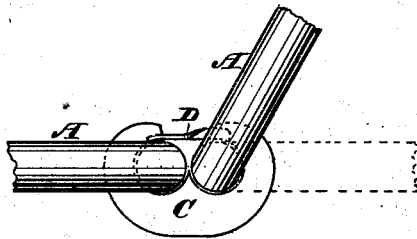


Fig. 3

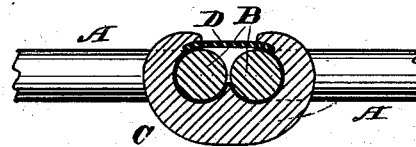


Fig. 2

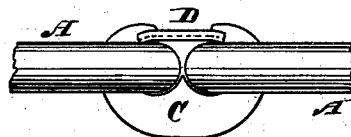


Fig. 4

Attest:

John P. Whitney.
H. C. Schaff.

Inventor:

L. W. Stockwell
By *Coyne & Co.,* his
Attorneys.

UNITED STATES PATENT OFFICE.

LEVI W. STOCKWELL, OF CLEVELAND, OHIO.

IMPROVEMENT IN DETACHABLE LINKS FOR DRIVE-CHAINS.

Specification forming part of Letters Patent No. **219,126**, dated September 2, 1879; application filed June 13, 1879.

To all whom it may concern:

Be it known that I, LEVI W. STOCKWELL, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Detachable Links for Drive-Chains, of which the following, in connection with the accompanying drawings, forming a part hereof, is a full, clear, and exact description.

In the drawings, Figure 1 is a plan view of a detachable drive-chain embodying my invention; Fig. 2, a section taken at the line *x*; Fig. 3, an edge view of two jointed links, and Fig. 4 a like representation.

Like letters of reference indicate like parts.

My invention has for its object the providing of certain novel and improved means, substantially as hereinafter described, for the purpose of joining or articulating, detachably, the links of drive-chains.

A A represent the links of a drive-chain, and B B are the end bars thereof. C is a coupling clasping the end bars, which are contiguous when the links are arranged together, the ends of the coupling being sufficiently apart, as shown, to receive one end bar at a time, but adapted to hold both. D is a strip of flexible sheet metal slipped between the contiguous end bars and the ends of the coupling, so as to close the same and confine the end bars therein, as shown. The coupling, as indicated in Fig. 1, hardly reaches the side bars of the links, while the ends of the flat or uncrimped sheet D extend a little way beyond

the inner edges of the side bars, when the latter lie horizontally or open, and both in the same plane, as indicated by that part of Fig. 1 nearest the left-hand margin of the drawing or sheet.

To crimp up the ends of the sheet D, so as to confine or hold all the parts together, it is only necessary to fold the links toward each other and against the sheet D, as indicated in Fig. 3. In Fig. 4 the crimping process is represented as completed, as it also is in the right-hand portion of Fig. 1.

It will now be perceived that the crimped plate or sheet D connects the links, so that they may be turned freely in the coupling, and so that there is no danger of the links becoming separated accidentally. Yet they may be easily separated at will by pressing down the crimped ends of the sheet D, and then withdrawing it, as may easily be done by means of any simple tool adapted to that purpose.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, substantially as described, of the flexible crimped sheet-metal plate D with the end bars and coupling of a detachable drive-chain, substantially as and for the purposes specified.

LEVI W. STOCKWELL.

Witnesses:

JAS. H. CADY,
WM. H. HAWKINS.