

(No Model.)

A. J. REYNOLDS.
DRIVE CHAIN LINK.

No. 475,705.

Patented May 24, 1892.

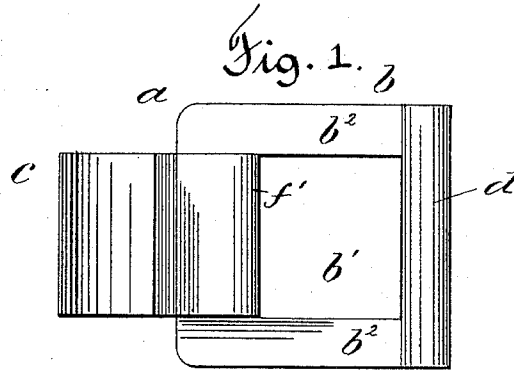
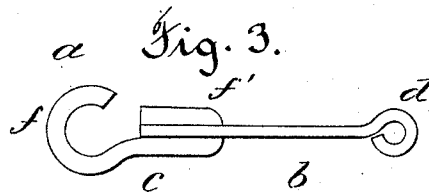
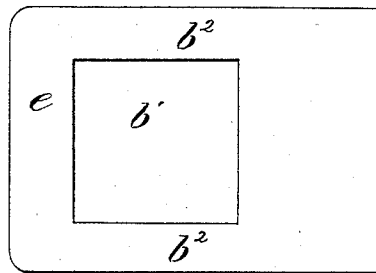


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

ARTHUR J. REYNOLDS, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE
STANLEY WORKS, OF SAME PLACE.

DRIVE-CHAIN LINK.

SPECIFICATION forming part of Letters Patent No. 475,705, dated May 24, 1892.

Application filed February 1, 1892. Serial No. 419,864. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR J. REYNOLDS, of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Drive-Chain Links, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

The object of my invention is to provide a drive-chain link that is of comparatively simple and cheap construction.

To this end my invention consists in the combination of the several parts making up the link as a whole, and in details of such parts, as more particularly hereinafter described, and pointed out in the claim.

Referring to the drawings, Figure 1 is a plan view of the link as a whole. Fig. 2 is a detail edge view of the same. Fig. 3 is an edge view of the completed link.

In the accompanying drawings, the letter *a* denotes the link as a whole, *b* the pintle-section, and *c* the knuckle-section of the link, these two sections being formed of separate pieces of metal. The section *b* is cut from a sheet of metal, an opening *b'* being formed, leaving a frame-like structure with sufficient metal on one end to be rolled or otherwise formed into the pintle *d*, that is of cylindrical form, while the other end of the frame forms a flat transverse bar *e*, united by side parts *b²* to the pintle, all these parts of the frame being integral. The knuckle is formed of a single oblong strip of metal of a width

about equal to and being not greater than the width of the opening *b'* in the pintle-section and having a knuckle *f*, formed by rolling up one end of the strip, while the other end is clamped to the bar *e* by folding it down upon and causing it to embrace the bar to a greater or less extent. The folded edge of the strip at *f'* forms a rounded edge suitable for a bearing against the side of the sprocket-wheel teeth that project into the opening *b'*, when several links are united to form a chain. The section *b* may be made of such length that the part removed to form the opening *b* will be of sufficient length to form the strip from which the knuckle-section of the link is made, and when this is done there will be no waste of metal whatever in making the link.

I claim as my invention—

The improved drive-chain link composed of the pintle-section *b* and the knuckle-section *c*, the said pintle-section being formed of a piece of flat plate metal with a central opening, and a pintle *d*, formed at one end of the section and having a flat bar *e* at the opposite end, the knuckle-section made of a strip of plate metal having one end rolled up to form a knuckle and secured to the pintle-section by the end of the knuckle-section folded down upon the flat bar *e*, all substantially as described.

ARTHUR J. REYNOLDS.

Witnesses:

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