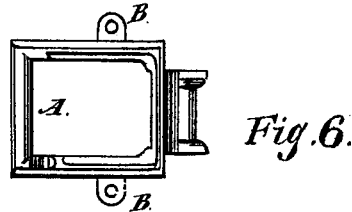
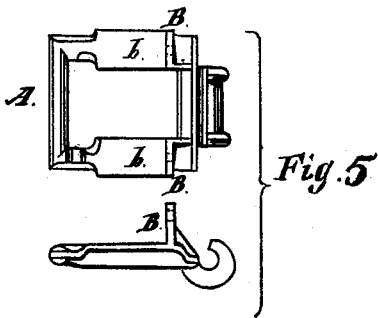
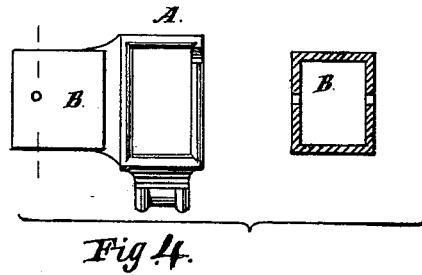
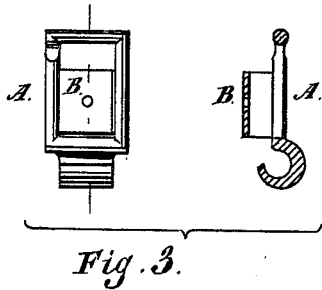
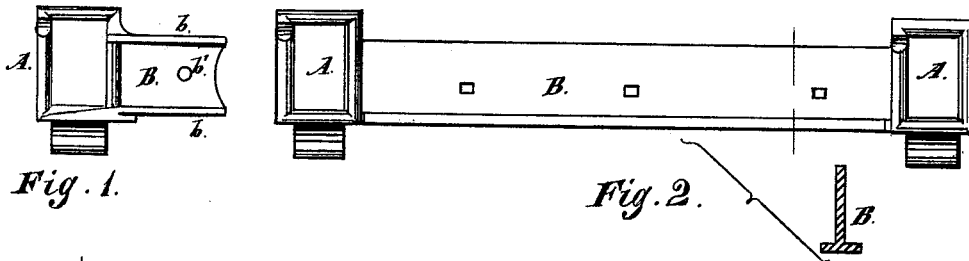


W. D. EWART.  
LINKS FOR DRIVE CHAINS.

No. 188,116.

Patented March 6, 1877.



William D. Ewart,

Inventor

By Coburn & Thacher

Attys.

Witnesses:  
Amirish S. Cross.  
S. A. Bunting

# UNITED STATES PATENT OFFICE.

WILLIAM D. EWART, OF CHICAGO, ILLINOIS, ASSIGNOR TO EWART  
MANUFACTURING COMPANY, OF SAME PLACE.

## IMPROVEMENT IN LINKS FOR DRIVE-CHAINS.

Specification forming part of Letters Patent No. **188,116**, dated March 6, 1877; application filed  
November 20, 1875.

*To all whom it may concern :*

Be it known that I, WILLIAM D. EWART, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Links for Drive-Chains, which is fully described in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a link with one form of attachment; Fig. 2, a modification of this attachment with section of the same; Fig. 3, a plan view and cross section of another form of the attachment; Fig. 4, a plan and cross-section of the attachment in another form; Fig. 5, a plan and elevation of still another modification; and Fig. 6 a plan of a modified form of the invention, as shown in Fig. 5.

The invention is an improvement upon the link for which Letters Patent No. 154,594 were granted to me September 1, 1874, and reissued.

My present invention consists in an attachment to the link, for the purpose of fastening slats or other like articles thereto, said attachment being cast in one piece with the link.

In Fig. 1, the link A is provided with a projection, B, at one side thereof, cast at the same time and in one piece with the link. The piece B has two flanges, *b b*, between which the slat is placed, and fastened by a rivet passing through the hole *b'*.

In Fig. 2 a similar attachment is shown extending across from link to link of two chains, so as to furnish a support to the slat throughout its entire length. This form may also be used for the purpose of attaching elevating-buckets to the chains.

In Fig. 3 the piece B is shown in the form of a loop in the top of the link, and extending from one side to the other. The end of the slat is placed upon top of this loop-plate, and fastened thereto.

In Fig. 5 the attachment is constructed in the form of a box at the side of the link, into which the end of the slat is inserted.

The form shown in Fig. 6 is intended for use with only one chain, the slats being attached to the links near their centers, and supported upon the broad faces *b b* of the link, and riveted to the vertical flanges B B.

In Fig. 6 a link is shown for the same purpose, but with lugs or ears cast upon the sides, to which the slats are fastened, being placed upon the under side of the link.

In several of the figures I have shown the link cast with fluted sides; but this form constitutes no part of this invention, and will be claimed in another application.

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

A link, A, for drive-chains, having a central open space to receive sprockets, provided with a supplementary piece or pieces, B, cast in one piece with one or more of the link-bars, and adapted in form and construction to receive and hold the slats of a conveyer, which are to be fastened thereto, substantially as described.

WILLIAM D. EWART.

In presence of—  
HEINRICH F. BRUNS,  
L. A. BUNTING.