(No Model.)

A. RITSCHER.

DETACHABLE LINK FOR DRIVE CHAINS.

No. 556,643. Patented Mar. 17, 1896.

Fig. I.

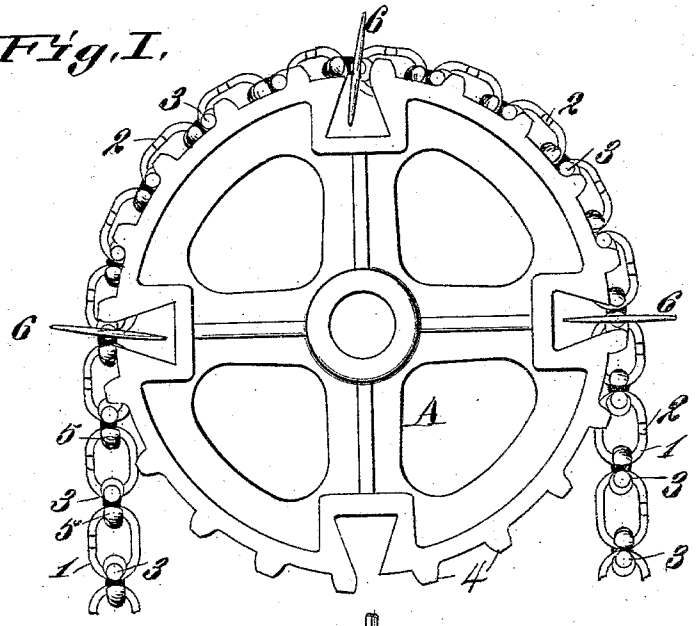


Fig. II.

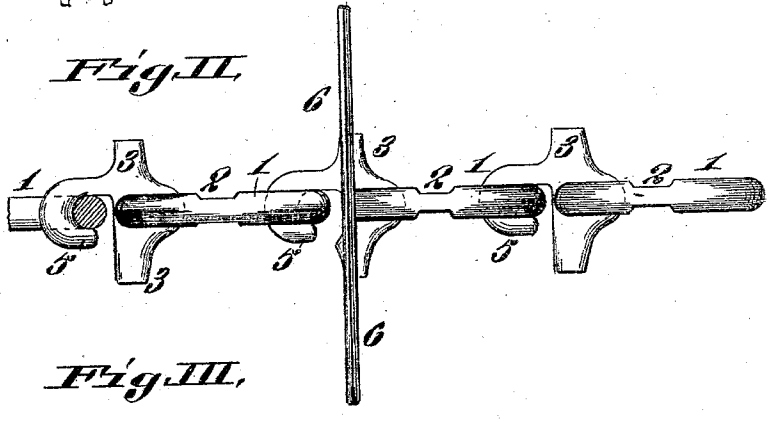
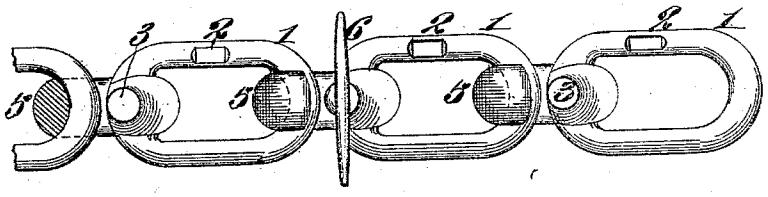


Fig. III.



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ADAM RITSCHER, OF TAYLORVILLE, ILLINOIS.

DETACHABLE LINK FOR DRIVE-CHAINS.

SPECIFICATION forming part of Letters Patent No. 556,643, dated March 17, 1896.

Application filed August 22, 1895. Serial No. 560,121. (No model.)

To all whom it may concern:

Be it known that I, ADAM RITSCHER, of Taylorville, Christian county, Illinois, have invented a certain new and useful Improvement in Detachable Links for Drive-Chains, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to that class of drive-chain links known as "detachable," and which are capable of being coupled and uncoupled; and briefly stated my invention consists in the formation of a detachable drive-chain link having the loop of the link, the link-lugs, the link-connecting hooks, and also the conveyer-flights all formed integral.

My invention relates to drive-chains similar in appearance to those shown in my patents, No. 514,774, dated February 13, 1894, and No. 532,709, dated January 15, 1895, and my present invention is an improvement upon the chains shown in the said patents.

Figure I is a side elevation of an endless-chain conveyer-wheel and my improved chain applied thereto. Fig. II is a side elevation of a section of the chain. Fig. III is an edge view of the chain.

Referring to the drawings, A designates an endless-chain conveyer-wheel similar to that shown in my Patent No. 514,774, dated February 13, 1894.

1 designates the elliptical loop end of my improved link, which at one of its sides is reduced at 2 to permit detachable connection to the hook of the succeeding link. At one end of each loop 1 and formed integral therewith are end lugs 3, that project outwardly from the sides of the link, which lugs in the movement of the endless-chain conveyer-wheel come in contact with the teeth 4 of said wheel. As a continuance from the loop 1 and lugs 3 and located in the same plane as the lugs a hook 5 is formed integral with these parts, and to this hook the loop 1 of the adjoining link is connected by passing the reduced portion 2 of the loop through the hook-opening.

6 designates the oblong conveyer-flights that are likewise formed integral with the link, lugs, and hook.

By the employment of a construction of detachable link for drive-chains in which all parts are formed integral I provide a link that greatly reduces the wearing-points, and which in the manufacture is much less expensive owing to the material reduction of the number of separate pieces to be cast.

I claim as my invention—

A detachable link for drive-chains formed in one piece with an elliptical loop 1 having reduced portions 2 located at one side thereof, with lugs 3 located at the side and at one end of the loop, with a hook 5 located in the same plane as the lugs, and with an oblong conveyer-flight located between the loop and the hook in line with the lugs; substantially as described.

ADAM RITSCHER.

In presence of—
E. R. WRIGHT,
J. B. WALKER.