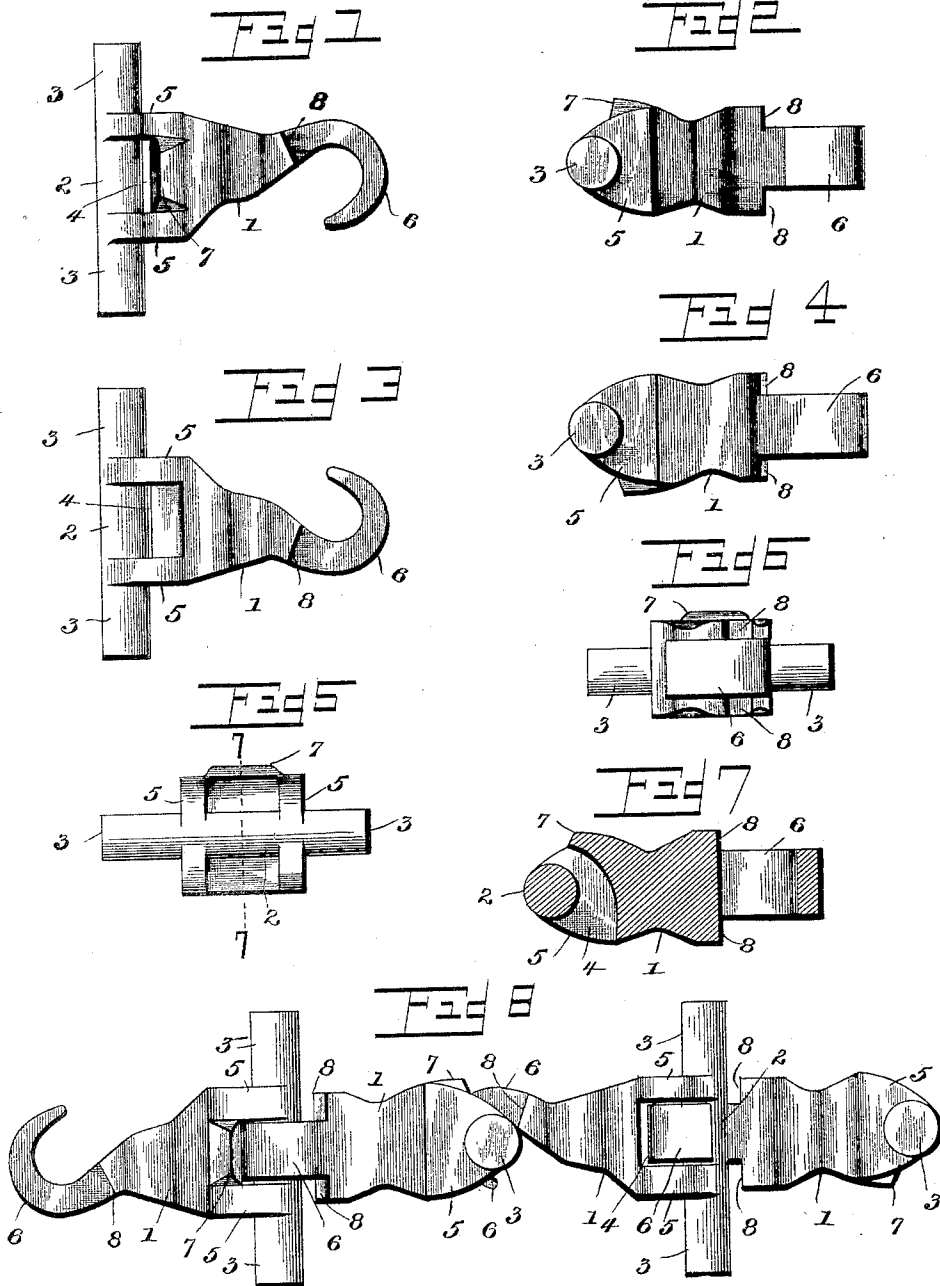


(Model.)

R. J. HAMILL.
DRIVE CHAIN.

No. 467,804.

Patented Jan. 26, 1892.



Witnesses

John D. Mirie
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UNITED STATES PATENT OFFICE.

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DRIVE-CHAIN.

SPECIFICATION forming part of Letters Patent No. 467,804, dated January 26, 1892.

Application filed March 20, 1889. Serial No. 303,946. (Model.)

To all whom it may concern:

Be it known that I, ROBERT J. HAMILL, a citizen of the United States, and a resident of Ottawa, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Drive-Chain Links, of which the following is a specification.

I will here state that the form of link to be described is designed for a drive-chain or chain belting for use on sprocket-wheels having a double row of sprockets provided with a groove between the rows and which necessitate one or more pairs of pins or lugs on each link for the sprockets to engage with.

My invention has for its object to provide for such sprocket-wheels a metallic drive-chain or chain belting whose links are detachable and which are capable of operating with sprocket-wheels revolving either in the same or different planes.

My invention consists in a link having novel features of construction, as hereinafter described and claimed.

In order that my invention may be fully understood, I will proceed to describe the same with reference to the accompanying drawings, in which—

Figure 1 is a side view of my improved link for drive-chains or chain belting. Fig. 2 is a top view. Fig. 3 is a view looking at the opposite side to that shown in Fig. 1. Fig. 4 is a bottom view. Fig. 5 is an end view. Fig. 6 is a view looking at the opposite end to that shown in Fig. 5. Fig. 7 is a longitudinal section on the line 7 7, Fig. 5. Fig. 8 represents four of my links connected to form a section of a drive-chain or chain belting.

1 is the web or body of the link, which terminates at one end in a hook 6 and at the other end in an eye 4 for engagement, as shown in Fig. 8, of a like hook on another similar link at right angles to the first link. With this object in view said eye is formed by two

cheeks 5, whose planes are parallel to each other and at right angles to said hook 6 and which are crossed by a pintle 2 in the plane of said hook. Coaxial with said pintle 2 and outside of said cheeks 5 are two pins or lugs 3, which may be engaged in the twin sprockets or teeth of one of the pair of sprocket-wheels (not shown) which the drive-chain or chain-belting is employed to connect. 7 is a cam or projection located on the web or body at the entrance to the eye 4, against which the back of the hook is adapted to bear. Shoulders 8 are located on the web or body at the inner end of the hook to receive the impact of the cheeks 5.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A link for drive-chains or chain belting, consisting of a web or body terminating at one end in a hook and at the other end in an eye having two cheeks whose planes are parallel to each other and at right angles to the hook, a pintle crossing the cheeks and located in the plane of the hook, and pins or lugs coaxial with the pintle on the outside of the cheeks, substantially as described.

2. A link for drive-chains or chain belting, consisting of a web or body terminating at one end in a hook and at the other end in an eye having two cheeks whose planes are parallel to each other and at right angles to the hook, the cam or projection located on the web or body at the inner end of the eye, the shoulders located at the inner end of the hook, a pintle crossing the cheeks and located in the plane of the hook, and pins or lugs coaxial with the pintle on the outside of the cheeks, substantially as described.

ROBERT J. HAMILL.

Witnesses:

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