

E. J. REINHART & A. N. RUDDOCK.

CHAIN LINK.

APPLICATION FILED MAY 14, 1909.

963,941.

Patented July 12, 1910.

Fig. 1.

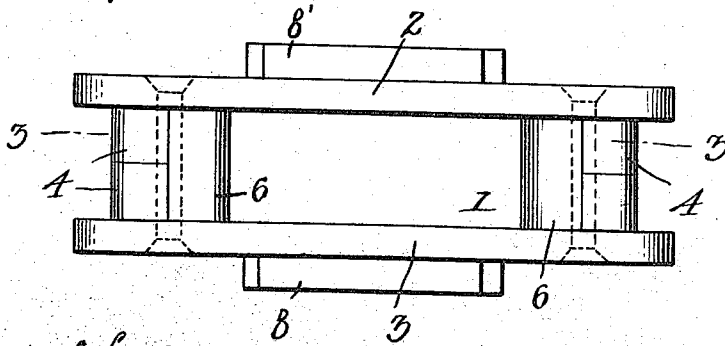


Fig. 2.

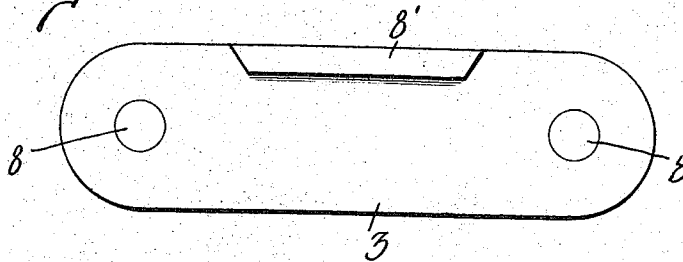


Fig. 3.

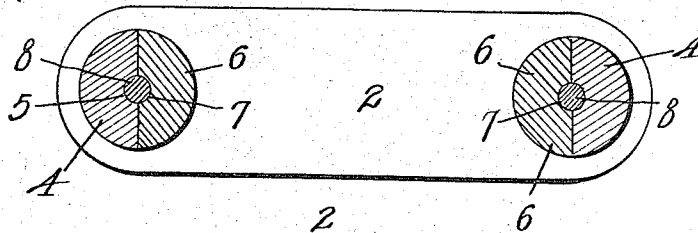
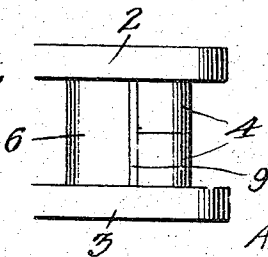


Fig. 4.



Witnesses

Chas. Gibson

Samuel H. H. H.

Inventors

Emil J. Reinhart
Alexander N. Ruddock.

By *Victor J. Evans*

Attorney

UNITED STATES PATENT OFFICE.

EMIL J. REINHART AND ALEXANDER N. RUDDOCK, OF TUNNELTON, PENNSYLVANIA.

CHAIN-LINK.

963,941.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed May 14, 1909. Serial No. 495,864.

To all whom it may concern:

Be it known that we, EMIL J. REINHART and ALEXANDER N. RUDDOCK, citizens of the United States, residing at Tunnelton, in the county of Indiana and State of Pennsylvania, have invented new and useful Improvements in Chain-Links, of which the following is a specification.

This invention relates to chain links, and more particularly to a link adapted to form a portion of the so called pick chain of an electric mining machine, and has for an object to provide a link capable of being adjusted when worn so that the chain can be kept approximately in a uniform length and will be perfectly operated at all times.

Other objects and advantages will be apparent as the nature of the invention is better disclosed and it will be understood that changes within the specific scope of the claim can be made without departing from the spirit of the invention.

In the drawings forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views; Figure 1 is a top plan view of the link. Fig. 2 is a side view of the link. Fig. 3 is a detail section through the link taken on the line 3—3 of Fig. 1. Fig. 4 is a detail top plan view of a portion of the link showing the adjusting shim or wear plate in its operative position.

Referring now more particularly to the drawings, there is shown a link 1 comprising longitudinally extending plates or sections 2 and 3 which in this instance are formed from flat pieces of metal and provided adjacent to the ends with right angularly extending integral bearing members 4 disposed in line transversely of the link with each other and provided with semi-circular recesses or grooves 5. Semi-circular removable bearing members 6 are disposed between the members 2 and 3 and are provided with longitudinally extending grooves or recesses 7 disposed directly opposite the recesses or

grooves 5 to form therewith cylindrical passages for the reception of rivets or similar fastening devices 8 which have their outer ends engaged with the plates 2 and 3 to effectively retain the bearing members 6 between the plates 2 and 3 and hold them in their operative positions. The plates or sections are each provided at one side with a longitudinally extending guide flange or rib 8'.

The construction of the link herein described and shown is such that when the members 4 and 6 become worn, the rivets 8 can be removed and shims or wear plates, such as the one shown at 9 in Fig. 4 inserted between the flat faces of said members 4 and 6 and the plates again secured to each other by means of said rivets. After the shims or wear plates herein shown and described have been properly inserted between the members 4 and 6, the said members will be properly spaced from each other, and in such manner as will effectively decrease the space between the members 6 as will be readily understood. The guide flanges or ribs 8' are adapted to be engaged with any suitable well known supports that may extend longitudinally with the leads of the chain so that the said leads will be held against sagging.

Having thus described the invention what is claimed as new is:—

A link of the class described comprising detachably connected spaced plates having bearing members formed thereon, removable bearing members operatively associated with the first bearing members and disposed between the said spaced plates, and shims separating the said first bearing members from the said removable bearing members.

In testimony whereof we affix our signatures in presence of two witnesses.

EMIL J. REINHART.

ALEXANDER N. RUDDOCK.

Witnesses:

H. C. W. PATTERSON,
GILBRAITH STITT.