(No Model.)

R. B. AYRES.

CAR COUPLING LINK.

No. 321,473. Patented July 7, 1885.

Fig. 1.

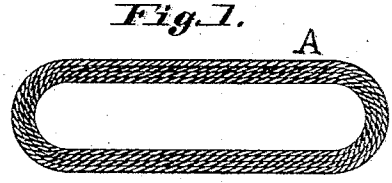


Fig. 2

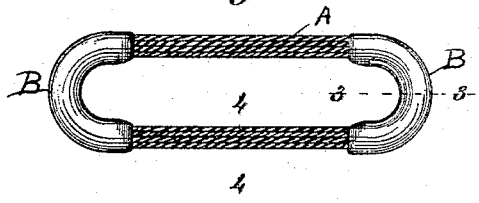


Fig. 3.

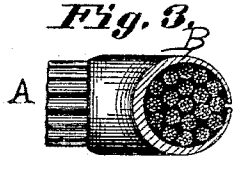
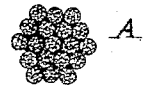


Fig. 4.



Attest;

Fernando Sauter

J. L. Gormley

Inventor;

Ruben B. Ayres

by Paul Bakewell

his attorney

BELL BROS., PHOTO-LITHOGRAPHERS, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

RUBEN B. AYRES, OF ST. LOUIS, MISSOURI.

CAR-COUPLING LINK.

SPECIFICATION forming part of Letters Patent No. 321,473, dated July 7, 1885.

Application filed December 12, 1884. (No model.)

To all whom it may concern:

Be it known that I, RUBEN B. AYRES, of the city of St. Louis, State of Missouri, have made a certain new and useful Improvement in Car-Links, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, in which—

Figure 1 is a top view showing cable coiled in link form; Fig. 2, a top view of link with bearing clamps or covering in place; Fig. 3, a transverse vertical section on line 3 3 of Fig. 2; Fig. 4, a transverse vertical section on line 4 4 of Fig. 3.

By reference to the drawings, A represents the core of my improved link, and B the clamps or covering of the same.

Heretofore car-links have been made of cast or wrought iron, and, being subjected to the heavy strains, rough usage, and action of the weather incident to their use, frequently snap, at times resulting in loss of life or property.

The object of my invention is to construct a car-link in such a manner as to reduce the danger of a sudden parting to the minimum; and to that end I construct my link of a core of wire rope, A, enveloping the core entirely, or, preferably, at the bearing-points, with a metal covering or clamps, B.

In the manufacture of my link sections of wire rope are cut to the desired length, and these sections are bent into link shape and spliced together at the ends, thus forming what I designate as "core A." A band of metal, B, is then welded over entire core; or, preferably, bands of metal, forming clamps, are welded about core A at bearing-points of link, as shown in Fig. 2.

The advantages of my improvement are: a much stronger and more lasting link is made, and one that is protected at its bearing-points from wear.

I claim—

1. As an improved article of manufacture, a car-link having a wire-rope core and a covering of metal welded to said core, substantially as described.

2. In a car-link, the combination of the wire-rope core A and bearing-clamp B B, welded to said core, substantially as described, and for the purposes set forth.

In testimony whereof I have affixed my signature, in presence of two witnesses, this 8th day of November, 1884.

RUBEN B. AYRES.

Witnesses:
J. L. HORNSBY,
FERNANDO SAUTER.