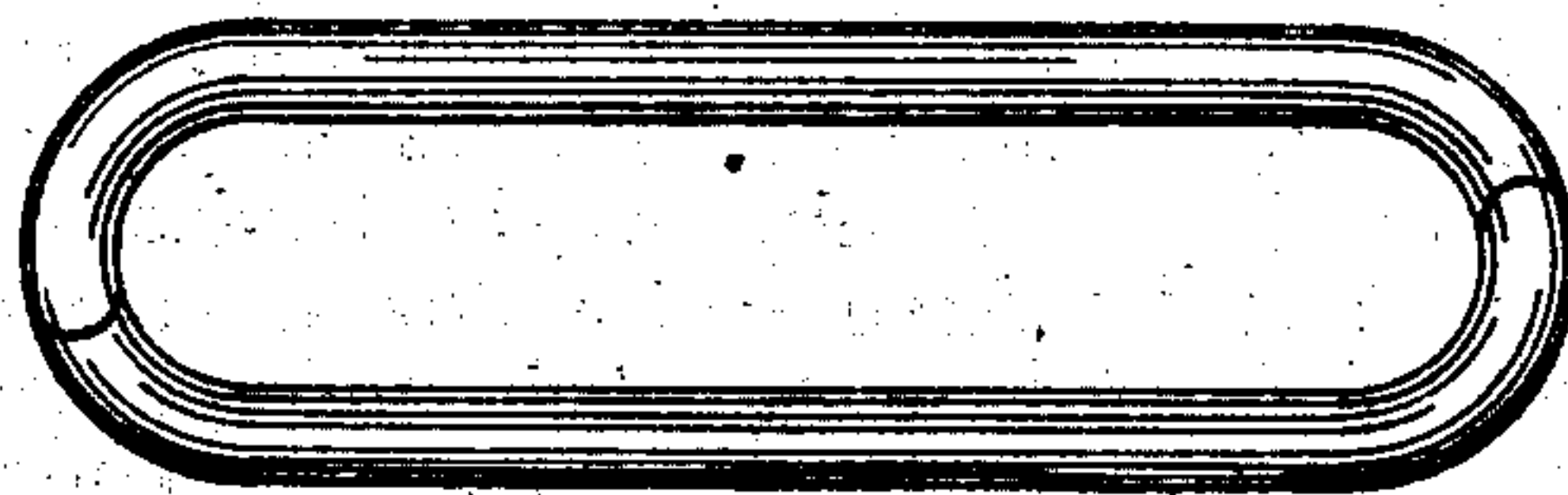


(No Model.)

J. BRIDGE.
CAR COUPLING LINK.

No. 275,460.

Patented Apr. 10, 1883.



Attest
H. Sprague
Chas. J. Hunt

Inventor
John Bridge

By *W. L. Sprague*
Att.

UNITED STATES PATENT OFFICE.

JOHN BRIDGE, OF DETROIT, MICHIGAN.

CAR-COUPLING LINK.

SPECIFICATION forming part of Letters Patent No. 275,460, dated April 10, 1883.

Application filed October 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN BRIDGE, of Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Car-Coupling Links; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, which form a part of this specification.

10 The nature of this invention relates to certain new and useful improvements in car-links, by means of which greater strength is obtained at the ends of the links, where they come in contact with the coupling-pin usually employed
15 for that purpose in coupling railway-cars together.

The ordinary method of manufacturing such links is to cut a bar of iron of the proper size into blanks, each of which is of sufficient length
20 to form a link. This is then bent in the center, forming a U shape. The free ends are then bent toward each other and welded together, so that both ends of the link present the same appearance in form. This method
25 of forming links leaves them much stronger at the welded end than at the opposite end, for in the process of bending at the center the molecules or crystals of the iron are disturbed and deranged by being drawn upon the outer

face and compressed, with a tendency to buckle together upon the inner face of the bent end. 30

The object of the invention is therefore to manufacture a car-coupling link that will be of equal strength at the opposite ends, whereby the tendency to break in the bent end of the link as ordinarily constructed, and where
35 such breakage almost always occurs, is avoided.

In the accompanying drawing my improved car-link is shown. This link is made by cutting the blanks half the required length, so
40 that two of such blanks are required to form the perfect link. Both ends of these sections are bent inwardly, and the opposite adjacent ends are welded then in the ordinary manner, accomplishing the result which I desire to at-
45 tain.

What I claim as my invention is—

As a new article of manufacture, a coupling-link formed of two pieces welded at each end by hammering, whereby such ends, where
50 the wrenching strain comes when in use, are greatly strengthened, substantially as and for the purposes set forth.

JOHN BRIDGE.

Witnesses:

H. S. SPRAGUE,
CHAS. J. HUNT.