

R. STEEL.
Railway Rails.

No. 142,179.

Patented August 26, 1873.

Fig. 1.

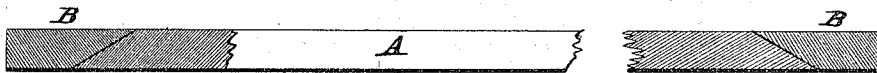
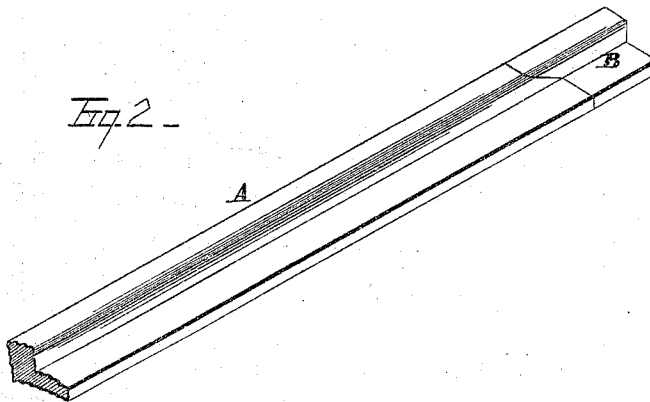


Fig. 2.



WITNESSES.

W. D. Newman

Wm. H. Brewster Jr.

Wm. H. Brewster Jr.

By

Leggett & Leggett

Attorneys.

INVENTOR

Robert Steel

UNITED STATES PATENT OFFICE.

ROBERT STEEL, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN S. RICHARDS AND HENRY S. RICHARDS, OF SAME PLACE.

IMPROVEMENT IN RAILWAY-RAILS.

Specification forming part of Letters Patent No. **142,179**, dated August 26, 1873; application filed July 16, 1873.

To all whom it may concern:

Be it known that I, ROBERT STEEL, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Street and other Railway Rails; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings which form part of this specification.

My invention relates to an improvement in the construction of street and other railroad rails.

In the drawings, Figure 1 represents a side view of my improved rail with portions of the ends shown in section; Fig. 2, a perspective view of the same.

My invention consists in welding to the ends of the ordinary street-railway rail, A, a piece, B, made with the fiber of the metal running

at right angles to the web of the main rail A. By this means the rail is prevented from splitting or spreading longitudinally by the tread of the car-wheels.

I have described my invention as only applied to street-railway rails, but I do not limit myself to this particular, as all and every description of rails can be strengthened in the same manner.

Having thus described my invention, what I claim as new, and desire to secure Letters Patent for, is—

A street or other railway rail having welded to the ends thereof pieces of metal, the fiber of which is at right angles to that of the rail.

In testimony that I claim the foregoing I have hereunto set my hand this 15th day of July, 1873.

ROBERT STEEL.

Witnesses:

L. HOERMER,
G. WEBER.