

A. A. HEIN.
Railroad Rails.

No. 133,777.

Patented Dec. 10, 1872.

Fig. 1.

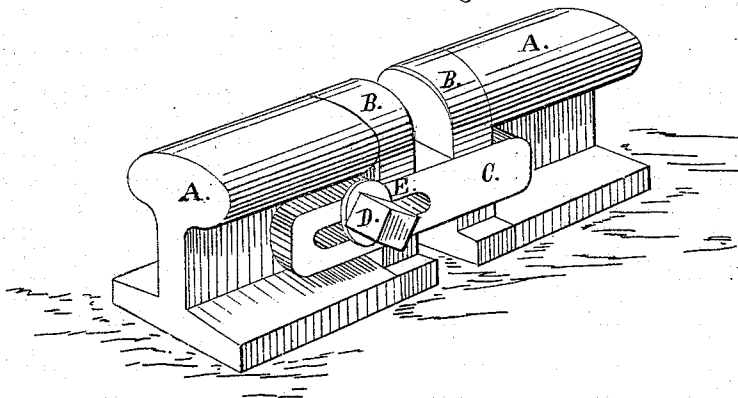


Fig. 2.

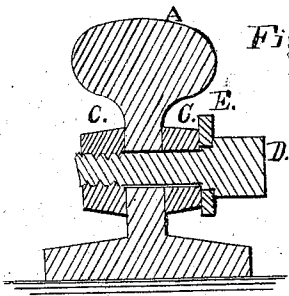
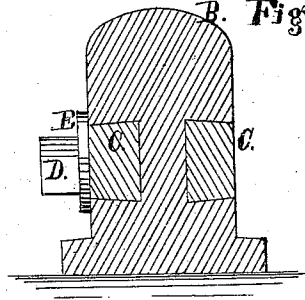


Fig. 3.



Witnesses:

A. Schattenberg.
E. L. Smith.

Inventor.

Andrew A. Hein
By his Attorney
W. B. Smith.

UNITED STATES PATENT OFFICE.

ANDREW A. HEIN, OF PORT WASHINGTON, WISCONSIN.

IMPROVEMENT IN RAILROAD RAILS.

Specification forming part of Letters Patent No. 133,777, dated December 10, 1872.

To all whom it may concern:

Be it known that I, ANDREW A. HEIN, of Port Washington, in the county of Ozaukee, in the State of Wisconsin, have invented certain Improvements in Railroad Rails, of which the following is a specification:

Nature and Object of the Invention.

My invention is a railroad rail made of common iron with steel welded onto the ends, so that they may not be battered, but stand as well and as long as steel rails.

Description of the Drawing Forming Part of this Specification.

Figure 1 is a perspective view of the rail with the steel welded on, and a joint showing a rail in position on a railroad; Fig. 2, a cross-

section through the rail and joint; and Fig. 3, a cross-section through the steel end, showing the rail jointed together.

General Description.

A are the rails; B, the steel pieces welded onto the ends. These rails, with the steel pieces welded onto their ends, may be used with the old-fashioned chair, or with such a joint as shown, or any other joint.

Claim.

I claim as my invention—
A common iron rail with steel pieces welded onto its ends, substantially as described.

ANDREW A. HEIN.

Witnesses:

A. HEIDHAMP,
JOHN KAISER.