

R. B. HOLDREGE.

Railroad Rails.

No. 134,475.

Patented Dec. 31, 1872.

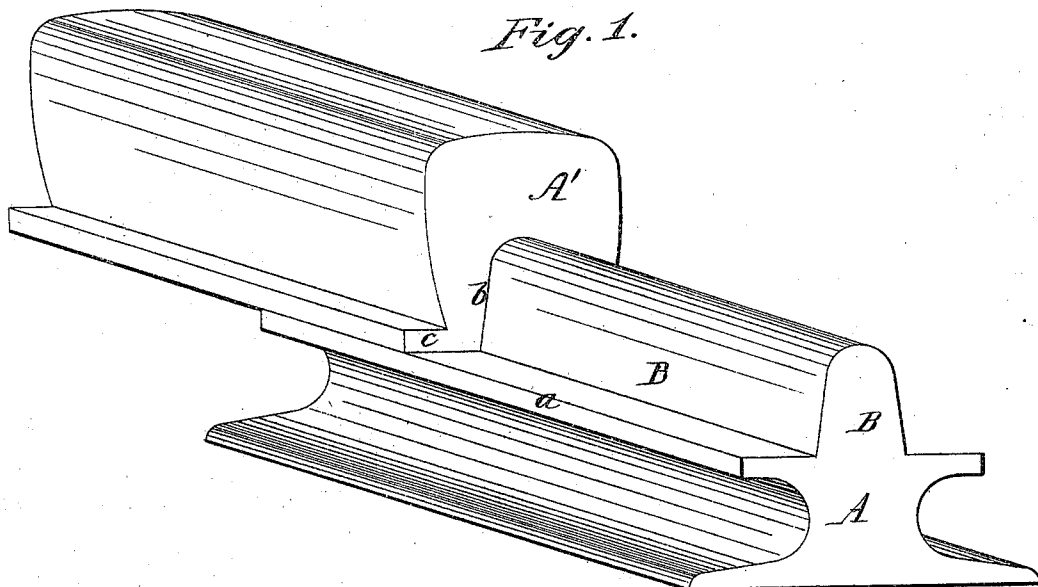
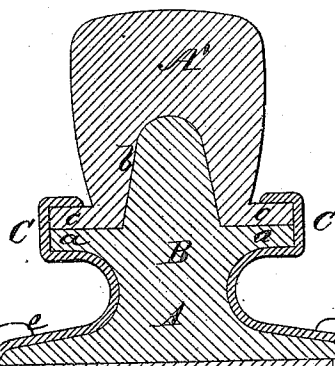


Fig. 2.



Witnesses.
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RICHARD B. HOLDREGE, OF CORRY, PENNSYLVANIA.

IMPROVEMENT IN RAILROAD RAILS.

Specification forming part of Letters Patent No. 134,475, dated December 31, 1872.

To all whom it may concern:

Be it known that I, RICHARD B. HOLDREGE, of Corry, Erie county, Pennsylvania, have invented an Improved Railroad Rail; and I do hereby declare the following to be an exact description thereof, reference being had to the letters of reference marked thereon making a part of this specification, in which—

Figure 1 of the drawing is a perspective representation of my invention. Fig. 2 is a vertical transverse section of the same.

This invention has relation to railroad rails; and it consists in the construction and novel arrangement of the removable, flanged, and grooved rail-cap and the rail-base which supports the cap; also, in the devices by means of which the cap and base are securely fastened together, all substantially as hereinafter more fully described.

Referring to the accompanying drawing, A designates the rail-base, having the horizontal side flanges *a*, and the central longitudinal prismatic ridge B. A' designates the rail-cap, having horizontal side flanges *c*, corresponding to and resting on the flanges *a*, and a central longitudinal channel, *b*, inclosing the ridge B, which, with the flanges, braces and supports the cap at every point subject to strain or pressure. This cap may be made

either of steel or iron, and is the only part of the rail subject to wear by the friction of the wheels. It is therefore made removable, so that when worn it may be replaced by a new cap, rendering the rail as good as new, and at an expense of probably only one-half that of an entire rail. The cap and base are secured together by means of metal straps C, which are bent to conform to the contour of the base and the flanges, and are secured to the foot of the rail by the spikes *e*, which secure the latter to the ties D.

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

1. The combination of the base-rail A having the central ridge B and horizontal side flanges *a* with the removable rail-cap A' having the central channel *b* and corresponding side flanges, substantially as specified and shown.

2. The straps C, in combination with the rail-base B and removable cap A', substantially as and for the purpose specified.

RICHARD B. HOLDREGE.

Witnesses:

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