

Z. B. Wakeman,
Railroad Rail,
N^o 78,404. Patented May. 26, 1868.

Fig. 1.

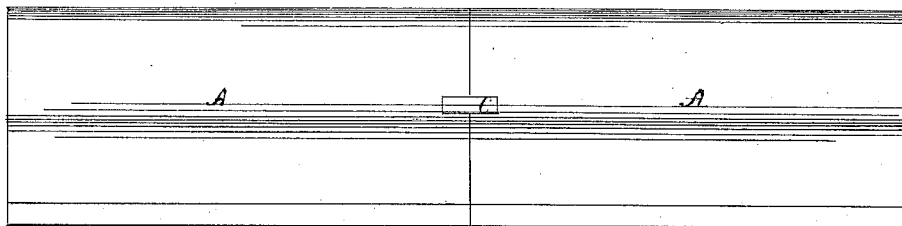


Fig. 2.

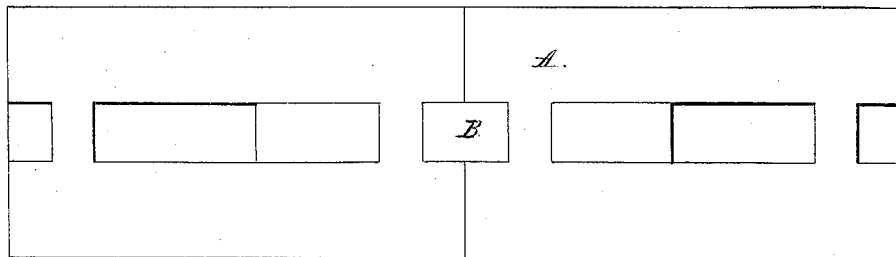
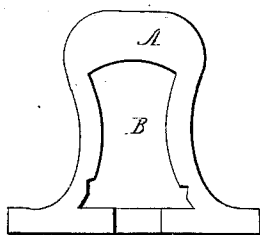


Fig. 3.



Attest:
Wm. H. Henshaw,
U. S. Notary Public

Inventor:
Z. B. Wakeman
per
Alexander H. Mason
att.

United States Patent Office.

Z. B. WAKEMAN, OF ROCKFORD, ILLINOIS.

Letters Patent No. 78,404, dated May 26, 1868.

IMPROVED RAILROAD-RAIL.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, Z. B. WAKEMAN, of Rockford, in the county of Winnebago, and in the State of Illinois, have invented certain new and useful Improvements in Railroad-Rails; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a side view, showing the mode of connection.

Figure 2 represents a bottom view, and

Figure 3 represents a cross-section.

In the annexed drawings, A represents the shell or outer portion of my rail. This rail is made of the usual form, and of any metal preferred. The shell-rail A is hollow from the cap to the base, and forms both the cap and the base, being cut out at its bottom at suitable intervals, (as shown in fig. 2,) so as to dispense with other than the required material. At each side of each end of the shell, about half way from its top to bottom, is made a square-shaped opening, as seen in fig. 1, and near the base at each side is cut a notch, as seen in fig. 3. B represents a metal block, made to fit neatly within the hollow rail A, which is provided with projections on each side, that fit into the notches in the lower portion of the shell A, and has an opening made cross-wise of its centre, for connecting it to the rail A. The block B is fitted in between the two ends of two opposite rail-sections A, and a key or wedge, C, is passed through the spaces in the rails A, and the opening in the middle of the block B, thereby securing the three together, and causing the block B to fit closely under the top portion of the rail A, by means of the wedge-shaped key, forming a continuous rail, and giving solidity to the rail.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the hollow shell-rail A, with its interior notches, and the block B, when connected thereto by the wedge-shaped key C, all constructed as specified.

In testimony that I claim the foregoing, I have hereunto set my hand, this 24th day of January, 1868.

Z. B. WAKEMAN.

Witnesses:

R. F. CRAWFORD,

EDWARD C. HUSE, M. D.