

M. McALEENAN.
Railroad-Frog.

No. 218,545.

Patented Aug. 12, 1879.

Fig: 1.

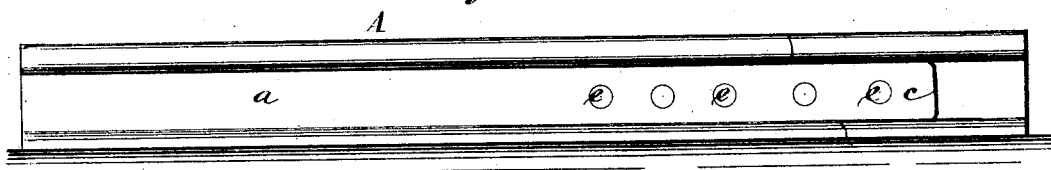
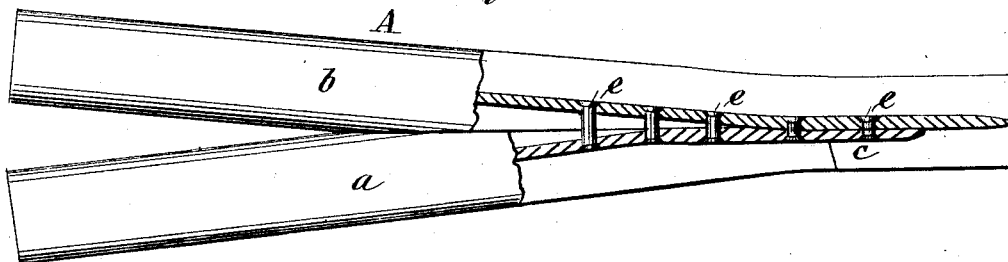


Fig: 2.



WITNESSES:

Achilles Schehl.
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UNITED STATES PATENT OFFICE.

MICHAEL McALEENAN, OF PEORIA, ILLINOIS.

IMPROVEMENT IN RAILROAD-FROGS.

Specification forming part of Letters Patent No. **218,545**, dated August 12, 1879; application filed March 25, 1879.

To all whom it may concern:

Be it known that I, MICHAEL McALEENAN, of Peoria, in the county of Peoria, and State of Illinois, have invented a new and Improved Railroad-Frog, of which the following is a specification:

My invention relates to the joint or intersection of the rails of railroad-frogs, having for its object to strengthen the joint and prevent dislocation; and the invention consists in prolonging the web and base of one rail in the form of a tongue that extends toward the point of the frog in the space between the head and base of the other rail.

In the accompanying drawings, Figure 1 is a side view of the improved frog. Fig. 2 is a plan view, partially in section.

Similar letters of reference indicate corresponding parts.

A represents a railroad-frog, that is formed by the two rails *a b*, united to form a point, as usual. The head of rail *a* is chamfered upon the side next to *b*, to lie in the shouldered recess of *b*, and the web of *a* is prolonged beyond the joint of the heads toward the point of the frog, in the form of a tongue, *c*, that fits snugly in the space between the head and

base of rail *b*. The outer base-flange of *a* is also extended a short distance beyond the joint of the heads, and abuts against a shoulder in the flange of *b*.

The rails are united firmly by rivets *e*, that pass through the web of the rails from side to side and through tongue *c*.

By this construction the joints of the three meeting parts are out of line with each other, and the connection of the rails is strengthened. The tongue or prolongation acts to support the rails in their proper relative position, and prevent dislocation and unevenness of the bearing-surface.

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

A railroad-frog formed by the intersection or connection together of two rails to form a point, the tongue *c* being formed by a prolongation of the web of one rail beyond the joints of the heads and bases of the component rails, as and for the purposes set forth.

MICHAEL McALEENAN.

Witnesses:

WILLIAM BECKER,
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