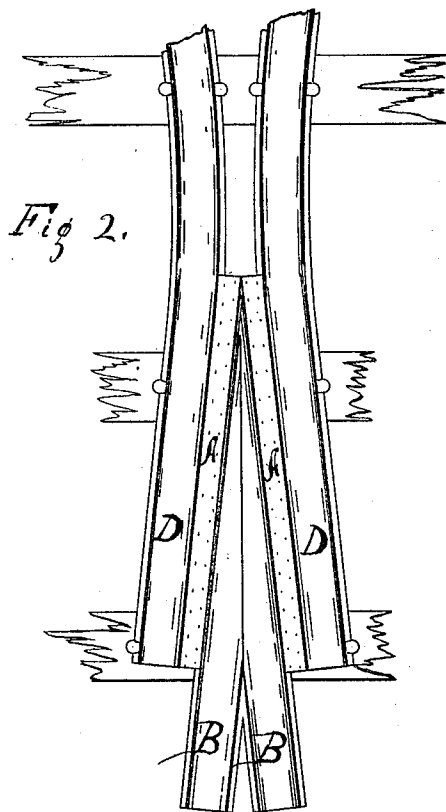
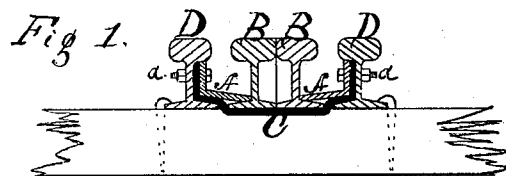


W. T. EGAN.
RAILROAD FROG.

No. 185,167.

Patented Dec. 12, 1876.



Witnesses
Charles C. Henthorn
George B. Durkee

Inventor
William T. Egan
by G. B. Durkee atty.

UNITED STATES PATENT OFFICE.

WILLIAM T. EGAN, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN RAILROAD-FROGS.

Specification forming part of Letters Patent No. **185,167**, dated December 12, 1876; application filed October 18, 1876.

To all whom it may concern:

Be it known that I, WILLIAM T. EGAN, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Railroad-Frogs, which improvement is fully set forth in the following specification:

The object of my invention is to apply a fish-plate or angle-iron, in combination with certain other members now in use, for the purpose of holding the point-rails in a railroad-frog more securely in place than is now done, substantially as hereinafter more fully described.

In the accompanying drawings, which form a part of this specification, Figure 1 is a transverse sectional elevation, and Fig. 2 is a plan view, of a railroad-frog, having my improved device.

A A, Fig. 1, show the angle-irons which hold the point-rails B B in place, said angle-irons being bolted through the vertical sides of the pan or bed-plate C and side wings D D,

as shown by the bolts and nuts *a a*. It will be seen by the application of the angle-pieces A A that the bed-plate C may be made much shorter than when it is used in combination with a V-shaped plate or rivets, as is now done. The angle-irons are more efficient than the V-shaped plate now in use, as they touch the base and center of the point-rails from their extreme point back to where the rails diverge from each other, thus holding them more secure than any device possibly can do which touches them merely at the point.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

The angle-irons A A, in combination with point-rails B B, bed-plate C, and side wings D D, substantially as shown, and for the purpose specified.

WILLIAM T. EGAN.

Witnesses:

CHARLES O. HENTHORN,
GEORG B. DURKEE.