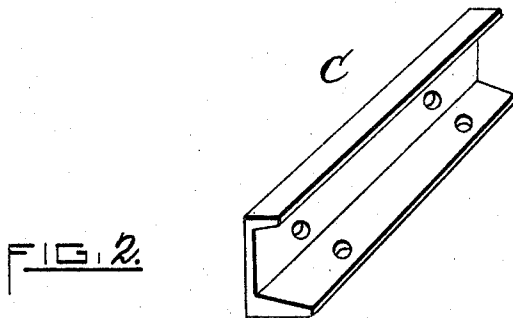
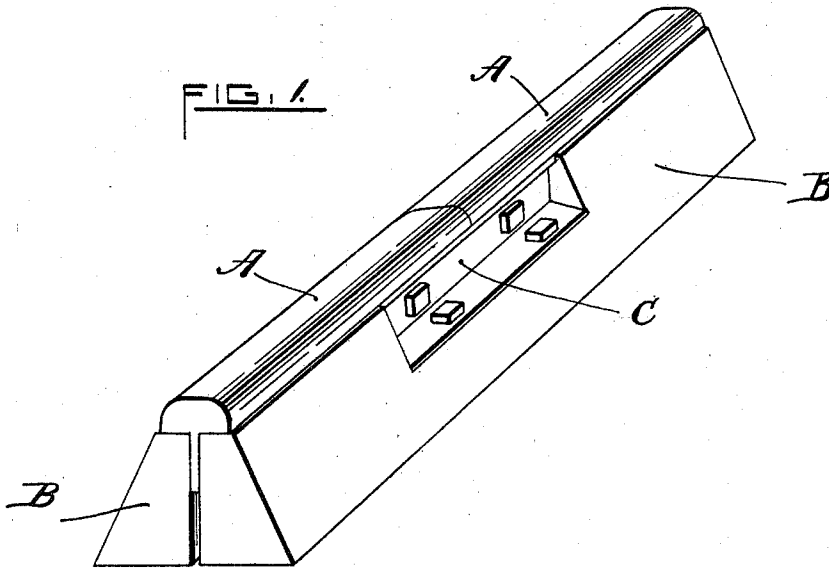


(No Model.)

H. L. STILLMAN.
RAILWAY JOINT.

No. 586,078.

Patented July 6, 1897.



WITNESSES.

Charles J. Hannigan.
E. B. Reed

INVENTOR.

Herbert L. Stillman.

UNITED STATES PATENT OFFICE.

HERBERT L. STILLMAN, OF CHARLESTOWN, RHODE ISLAND.

RAILWAY-JOINT.

SPECIFICATION forming part of Letters Patent No. 586,078, dated July 6, 1897.

Application filed December 2, 1896. Serial No. 614,236. (No model.)

To all whom it may concern:

Be it known that I, HERBERT L. STILLMAN, of Charlestown, in the county of Washington and State of Rhode Island, have invented certain new and useful Improvements in Railway-Joints; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention has relation to railway-joints, and is intended more particularly for electric railways.

The invention will be fully understood from the following description when taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of one of my joints. Fig. 2 is a perspective view of the metal angle fish-plate removed.

Referring by letter to said joint, A A show the abutting rail ends. B B show a pair of wooden fish-plates. C shows the single metal angle fish-plate.

From practical tests I find that wooden fish-plates make exceptionally-smooth railway-

joints and hold the rail ends in good alinement, with the exception of a downward cutting of said rail ends into the wood. To overcome this difficulty, I gain a single small angle-plate of steel into the inner wooden fish-plate and under the abutting rail ends, as the weight of the cars comes mainly inside of the center of the rails. By this arrangement it will be seen that smooth joints will be secured and downward cutting of the rail ends prevented.

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

A railway-joint composed of a pair of wooden fish-plates with a single metal angle fish-plate gained into one of the said wooden fish-plates for the support of abutting rail ends, substantially as specified.

In testimony whereof I have hereunto set my hand this 30th day of November, A. D. 1896.

HERBERT L. STILLMAN.

In presence of—

BENJ. ARNOLD,
M. E. LAWTON.