

W. H. H. SCHOLEY.

RAIL-JOINTS.

No. 188,031.

Patented March 6, 1877.

FIG. 1.

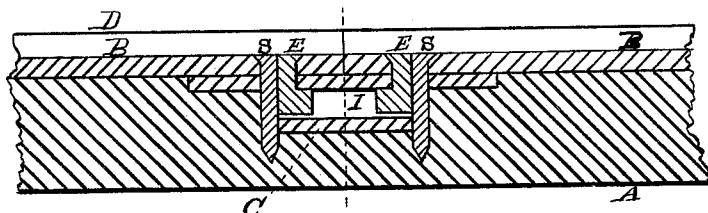


FIG. 2.

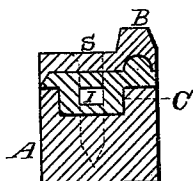


FIG. 3.

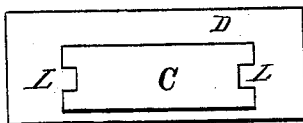
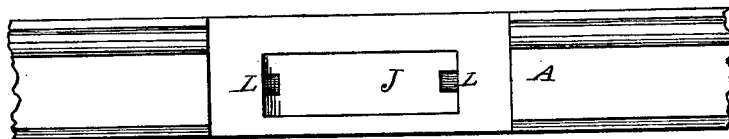


FIG. 4.



ATTEST:

*G. L. Chapin*  
*Chaffner Offenger*

INVENTOR:

*William H. H. Soley*

# UNITED STATES PATENT OFFICE.

WILLIAM H. H. SCHOLEY, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN RAIL-JOINTS.

Specification forming part of Letters Patent No. **188,031**, dated March 6, 1877; application filed August 19, 1876.

### *To all whom it may concern :*

Be it known that I, WILLIAM H. H. SCHOLEY, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Connecting Street-Railroad Rails, of which the following is a specification :

The nature of the present invention consists in an extension on the under side of the sill-plate, which fits into a mortise in the sill, and is provided with gib-seats, under which gibs on keys catch and hold the rails fast to the sill-plate by means of ordinary spikes put through the rails, the sill-plates, and sills, passing through the same holes as the keys, and hold the latter in place, as the whole is hereinafter fully shown and described.

In the drawings, Figure 1 is a longitudinal section of the sill of a street-railroad, the rails thereon, and my improved connection. Fig. 2 is a cross-section of the same parts on line Z, Fig. 1; Fig. 3, an inverted view of the connection; Fig. 4, a top view of a sill, with the rails and connections removed, to show the mortise.

A B represent an ordinary sill and rail of a street-railroad, to which my connecting device is attached. D represents the sill-plate or coupling, which in my construction is

provided with an extension, C, fitting closely into a mortise, J, in the sill A, and prevents the plate D from having any lateral motion. The ends L of this extension C are notched out to correspond with a cross-section of the spikes shown at S, and longitudinally through the extension is formed an opening or space, I, Fig. 1. Keys E are formed with gibs on their lower ends, and are put through holes in the rails B, the gibs locking into the said open space. Ordinary spikes S are then placed into the same holes as the keys, and driven into the sill A, and the rails and sill-plate will be held fast together, and the rails will be effectually secured to the sill-plate, forming a perfect coupling. Iron is to be used for the parts B D S E C.

I claim and desire to secure by Letters Patent—

The sill-plate D, extended down into a mortise, J, at C in the sill, and provided with a longitudinal open space, I, and with notches L, in combination with gibs on keys E, and rails B, as and for the purpose set forth.

WILLIAM H. H. SCHOLEY.

Witnesses:

G. L. CHAPIN,  
O. H. ADIX.