

(No Model.)

J. W. OLLIS.

RAILROAD RAIL JOINT.

No. 273,882.

Patented Mar. 13, 1883.

Fig. 1.

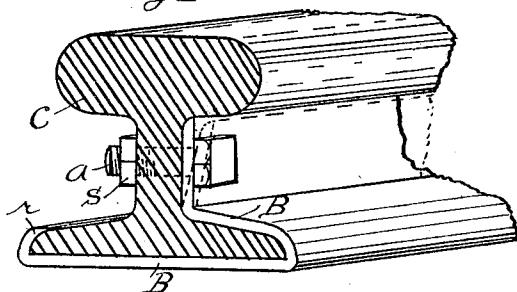
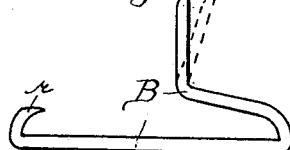


Fig. 2.



Witnesses.

John J. Hutchins.  
John J. Hutchins Inventor.

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# UNITED STATES PATENT OFFICE.

JOHN W. OLLIS, OF JOLIET, ILLINOIS, ASSIGNOR TO HIMSELF, AND WILLIAM W. BISHOP AND PAUL SMITH, OF SAME PLACE.

## RAILROAD-RAIL JOINT.

SPECIFICATION forming part of Letters Patent No. 273,882, dated March 13, 1883.

Application filed May 31, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. OLLIS, of the city of Joliet, in Will county, and State of Illinois, have invented certain new and useful Improvements in Railroad-Rail Joints, the construction and operation of which I will proceed to explain, reference being had to the annexed drawings, making a part of this specification, in which—

10 Figure 1 is a perspective view, and Fig. 2 an end view.

This invention consists in the use of a sheath to inclose the two ends of two railroad-rails for the purpose of connecting them together, said sheath being so constructed as to prevent the nuts turning off the ends of the bolts that pass through the sheath and rails to hold them on. The sheath B is constructed in such manner that the side that comes in contact with the web of the rail *c* springs outward away from the rail at its top, as shown by the dotted lines in the figures, and is only brought up in contact with the web of the rail by means of the bolt and nut *a*, as shown in Fig. 1. The

continual pressure outward away from the rail 25 of the side of the sheath B against the bolt-head causes a great pressure of the nuts against the web of the rail and prevents its unturning. The bottom part of the sheath B passes under the rail and terminates in the hook *r*, to prevent the bottom of the sheath from falling 30 away from the tread of the rail when the side of the sheath is being drawn up against the web of the rail, and also to hold the two ends of the rails together and in line with each other. 35

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is as follows, to wit:

In a railroad-rail joint, the sheath B, constructed in the form shown, and having the hook *r* to attach the bottom of the sheath to the tread of the rails, as and for the purpose set forth. 40

JOHN W. OLLIS.

Witnesses:

THOS. H. HUTCHINS,  
WM. J. HUTCHINS.