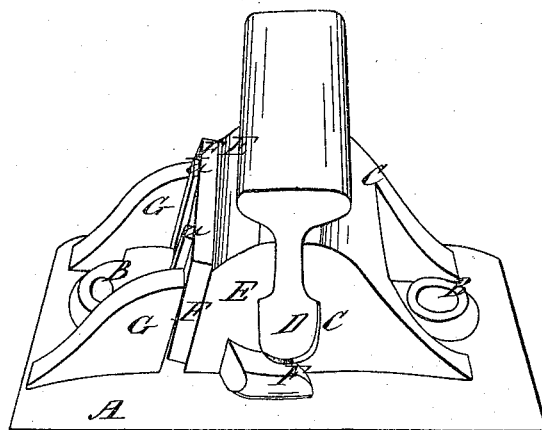


W. Dripps.

Railroad Chair.

N^o 1,542.

Patented Apr. 8, 1840.



UNITED STATES PATENT OFFICE.

WM. DRIPPS, OF COATESVILLE, PENNSYLVANIA.

MODE OF CONSTRUCTING CHAIRS FOR SUSTAINING AND HOLDING THE RAILS FOR RAILROADS.

Specification of Letters Patent No. 1,542, dated April 8, 1840.

To all whom it may concern:

Be it known that I, WILLIAM DRIPPS, of Coatesville, in the county of Chester and State of Pennsylvania, have invented an Improvement in the Manner of Constructing the Chairs for Sustaining and Holding the Edge Rails for Railroads; and I do hereby declare that the following is a full and exact description thereof.

10 The accompanying drawing gives a perspective view of my rail-road chair, embracing a portion of a rail.

15 A, A, is the sole, or basement, of my chair, which may be bolted down by bolts passing through the holes B, B, or fastened in any other way which may be preferred.

C, C, is a cheek, cast solid with the sole A, A, and so formed as to receive one half of the lower part of the rail D; the other half is embraced by the separate casting E, E, which has a jog F, cast on each of its ends, which jogs embrace the lower part of the cheek C, C, and prevent E, E, from moving laterally. When E, E, is dropped into its place, and made to embrace the rail, it is confined there by means of the wedge plate F, F, one side of which bears against it, while the other side is supported by the cheek pieces G, G, cast solid with the sole A, A. The wedge plate F, F, has ledges a, a,

upon its back, to guide and keep it in place, and it may have a cross ledge to receive the end of a crow-bar, when it is required to be raised. It will be seen that by this manner of constructing rail-road chairs, the respective pieces by which the rail is held in place cannot, possibly, become loosened by the vibration of the rail, or from any other cause; as the wedge plate, which confines the whole, will always tighten itself by its own gravity, and will, consequently, keep the whole firmly in place.

Having thus fully described the manner in which I construct my rail-road chair, and shown how the same operates in producing the intended effect, what I claim therein as of my invention, and desire to secure by Letters Patent, is—

The particular combination of the respective parts thereof, constructed, formed, and operating, substantially as set forth; that is to say, I claim the combination of the cheek piece C, C, with the separate cheek piece, or casting, E, E, and the plate wedge F, F, producing their combined effect in the manner described.

WILLIAM DRIPPS.

Witnesses:

JAMES REESE,
JOEL S. WILSON.