C. L. NAGEL.

SUPPORT FOR HAND RAILS FOR LOCOMOTIVES.

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926,506. Patented June 29, 1909.

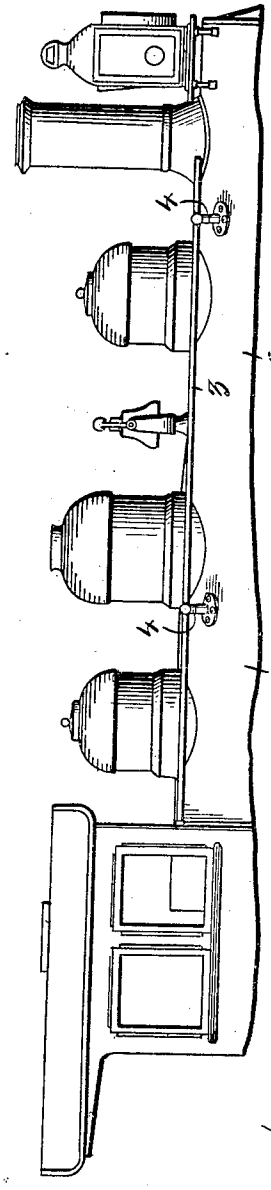


Fig. 1.

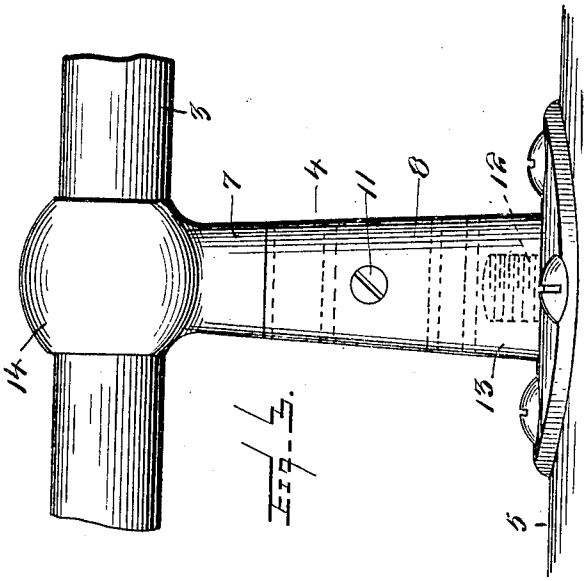


Fig. 3.

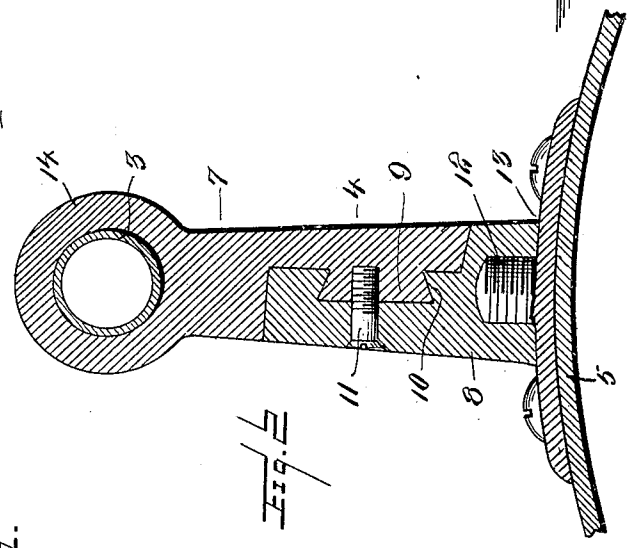


Fig. 2.

WITNESSES:

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SUPPORT FOR HAND-RAILS FOR LOCOMOTIVES.

No. 926,506. Specification of Letters Patent. Patented June 29, 1909.

Application filed February 27, 1909. Serial No. 480,315.

To all whom it may concern:

Be it known that I, CHRISTIAN L. NAGEL, a citizen of the United States, residing at Cheyenne, in the county of Laramie and State of Wyoming, have invented a new and useful Improvement in Supports for Hand-Rails for Locomotives, of which the following is a specification.

My invention relates to hand rails for the running board of locomotives.

The object of my invention is to produce a removable rail supported upon a series of sectional columns mounted upon the boiler of a locomotive, and a further object thereof is to produce a simple and efficient collapsible or take-down column adapted to be conveniently and readily removed to effect repairs or permit access to the interior of the boiler parts.

To these ends my invention includes the combination and arrangement of component parts to be hereinafter described and more particularly pointed out in the claim.

In the accompanying drawing illustrating my invention, in which like reference numerals indicate similar parts, Figure 1 is a side view of a locomotive showing my invention attached thereto, Fig. 2 is a detail view of one of my supporting columns coupled together, and Fig. 3 is a similar view showing same uncoupled.

Referring to the drawings, 1 designates a locomotive, and 2 indicates the running board mounted longitudinally on the side thereof. For the purpose of protecting persons walking on said board, a hand rail 3 is provided supported on columns 4 mounted on the boiler 5. When said columns and rail are rigidly secured in position, which is the customary manner of mounting them thereon, difficulty is encountered in removing same to reach the parts of the boiler for repairs. To obviate this, my invention provides a removable rail mounted on collapsible or take-down columns.

As shown in the drawings, my column 4 comprises a stem consisting of two longitudinal sections 7 and 8 approximately segmental in cross-section. Upon the inner face of section 7 of the stem, I provide a transverse flaring tongue 9 adapted to engage the groove 10 in the face of the opposite section 8 when in coupled relation, and the sections may be secured in such position by the screw 11 passing through the section 8 and engaging the tongue of section 7. Upon the lower end of section 8, I provide a screw-threaded portion 12 adapted to screw into the base 13, and upon the upper end of section 7, the bulb 14 is carried, which is pierced transversely to accommodate the hand rail 3.

From the foregoing description, it will be apparent that the rail and columns may be readily disassembled and taken apart to remove same from the boiler, but when erected constitute a rigid and strong support for a person upon the running board. It will also be apparent that the columns may be employed to support electric conductors leading to the head light at the head of the locomotive with the proper insulation provided.

Having thus described my invention, what I claim as new and desire to be secured by Letters Patent, is—

A column for supporting a locomotive hand rail comprising longitudinal segmental sections, one of which is secured upon the locomotive, and the other attached to the hand rail, a transverse flaring tongue and keeper upon the adjacent faces of the sections adapted to be coupled together, and a screw adapted to secure said sections in coupled relation, substantially as described.

In testimony whereof, I have hereunto signed my name to this specification, in the presence of two subscribing witnesses.

CHRISTIAN L. NAGEL.

Witnesses:
D. W. GILL,
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