

(No Model.)

J. T. LIVINGSTON.
BOLSTER STANDARD.

No. 463,803.

Patented Nov. 24, 1891.

Fig. 1.

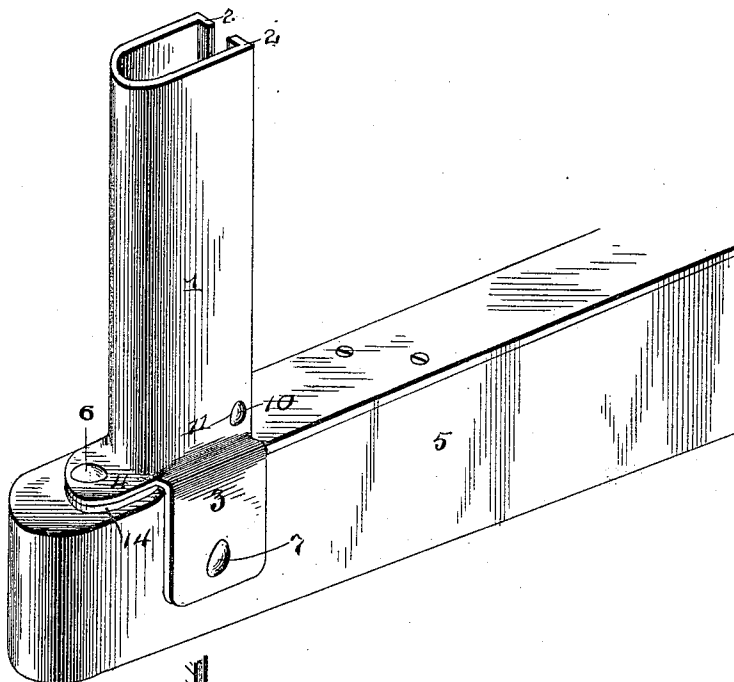


Fig. 2.

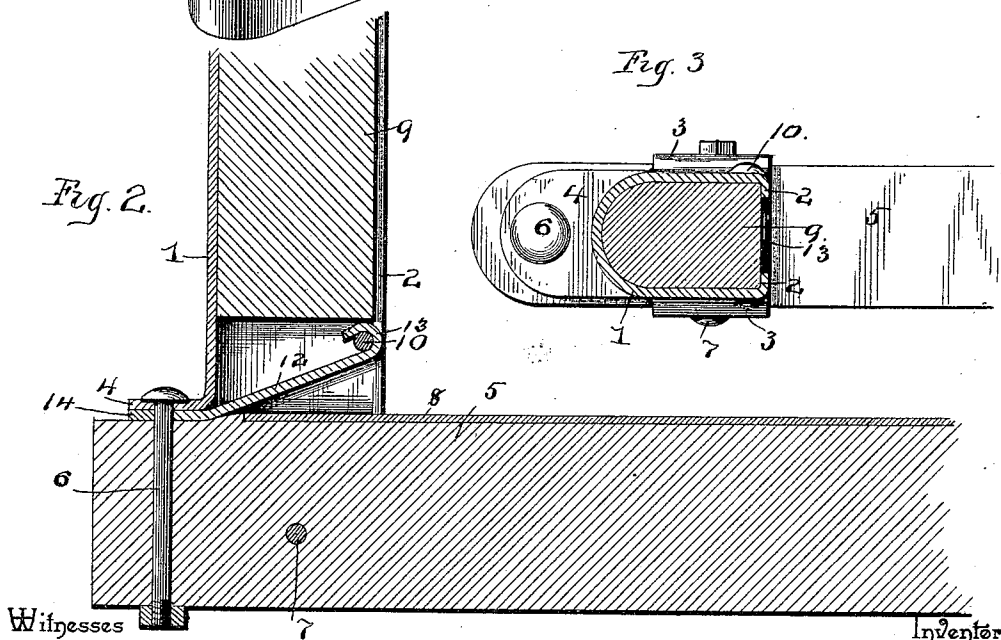
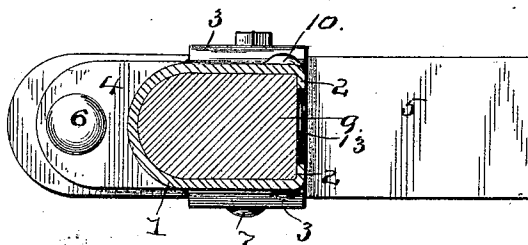


Fig. 3.



Witnesses

Inventor

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UNITED STATES PATENT OFFICE.

JOSEPH T. LIVINGSTON, OF KISSIMMEE, FLORIDA.

BOLSTER-STANDARD.

SPECIFICATION forming part of Letters Patent No. 463,803, dated November 24, 1891.

Application filed June 6, 1891. Serial No. 395,355. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH T. LIVINGSTON, a citizen of the United States, residing at Kissimmee, in the county of Osceola and State of Florida, have invented a new and useful Bolster-Standard, of which the following is a specification.

The invention relates to improvements in standards for vehicles.

The object of the present invention is to provide a simple, inexpensive, strong, and durable standard, which will be adapted to be readily attached to a bolster without weakening the latter, and which will be adapted to readily receive a supplemental standard or splice-bar.

The invention consists in the construction and novel combination and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a standard constructed in accordance with this invention and shown applied to a bolster. Fig. 2 is a vertical longitudinal sectional view, a supplemental standard or splice-bar being in position. Fig. 3 is a horizontal sectional view.

Referring to the accompanying drawings, 1 designates a standard constructed of sheet metal, which is bent to form a hollow standard or socket and has its inner edges 2 bent inward, and the hollow standard has its inner side open and is approximately U-shaped in cross-section. The lower end of the hollow standard 1 is split to form depending side ears 3 and the horizontal outwardly-extending ear 4, which is arranged on the upper face of a bolster 5 and is secured thereto by a vertical bolt 6, and the depending vertical ears 3 are secured to the sides of the bolster by a horizontal bolt 7. The side ears 3 are adapted to be bent outward to receive different bolsters and to enable the standard to be readily secured to large or small bolsters, and they engage the outer end of the bolster-plate 8. The hollow standard forms a socket to receive a horizontal standard or splice-bar 9, and its configuration may be changed to conform to that of the supplemental standard or splice-bar, and its sides are prevented spreading by a horizontal bolt 10, which is arranged in perforations 11, and to keep the sides of the hollow standard sufficiently spread an inclined brace 12 is employed.

The inclined brace 12 is constructed of metal and is arranged within the standard and has its upper end provided with a hook 13, which receives the bolt 10 and prevents the sides of the hollow standard moving inward on the bolt, and the lower end 14 of the inclined brace is extended outward and is arranged beneath the horizontal ear 4 and is provided with a perforation to receive the bolt 6.

It will be seen that the hollow standard is simple and inexpensive in construction, strong and durable, easy to manufacture, and is capable of being readily attached to any bolster without necessitating recessing, mortising, or otherwise weakening the latter. It can be manufactured at a very small cost, as there are no welds to be made, and it only requires two bolts to attach it to a bolster, and it will not accumulate water to rust it out. The standard readily receives a supplemental standard and does not employ the ordinary splicing-rings or their equivalents, but entirely dispenses with the same.

What I claim is—

1. A hollow standard adapted to receive a supplemental standard and being approximately U-shaped in horizontal section and constructed of sheet metal and having its longitudinal edges bent inward to form flanges, and provided at its lower end with depending side ears and an outwardly-extending horizontal ear, combined with a horizontal bolt connecting the sides of the standard and preventing the same spreading, and the inclined brace arranged within the standard to prevent the same contracting, and provided at its upper end with a hook to engage the bolt, and having its lower end arranged beneath the horizontal ear, substantially as described.

2. A hollow standard adapted to receive within it a supplemental standard and being constructed of sheet metal approximately U-shaped in horizontal section and having its longitudinal edges bent inward to form flanges, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOSEPH T. LIVINGSTON.

Witnesses:

A. I. HURD,
V. L. EMERSON.