

(No Model.)

2 Sheets—Sheet 1.

E. W. M. HUGHES.
TRUCK END PLATE.

No. 408,030.

Patented July 30, 1889.

Fig. 1.

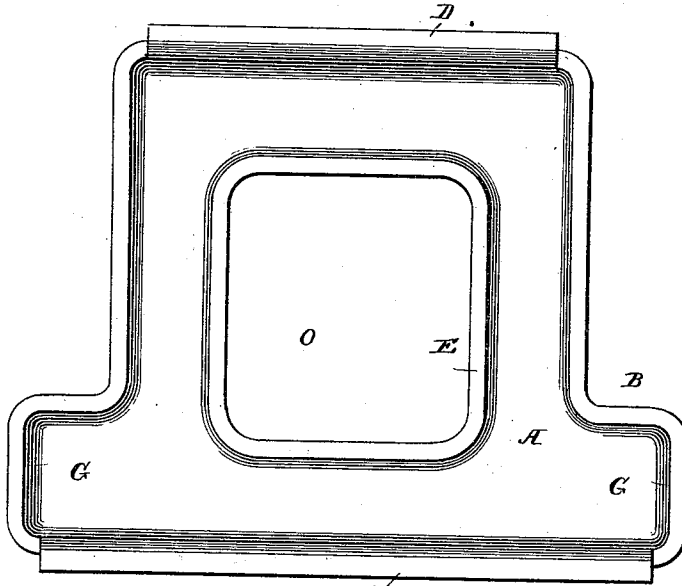


Fig. 2.

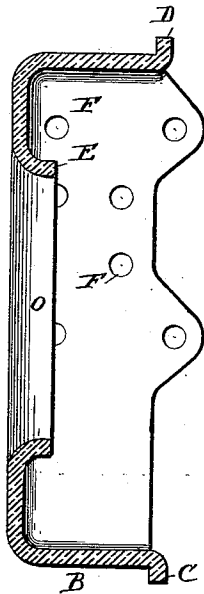
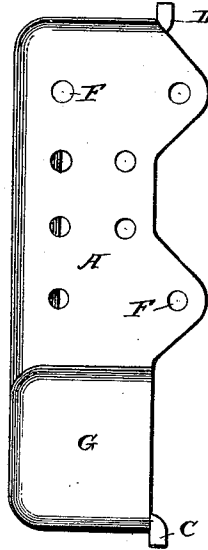


Fig. 3.



Witnesses

Geo. G. Hinkel Jr
Ch. S. McArthur

E. W. M. Hughes
Inventor

By his Attorneys
Forster + Freeman

(No Model.)

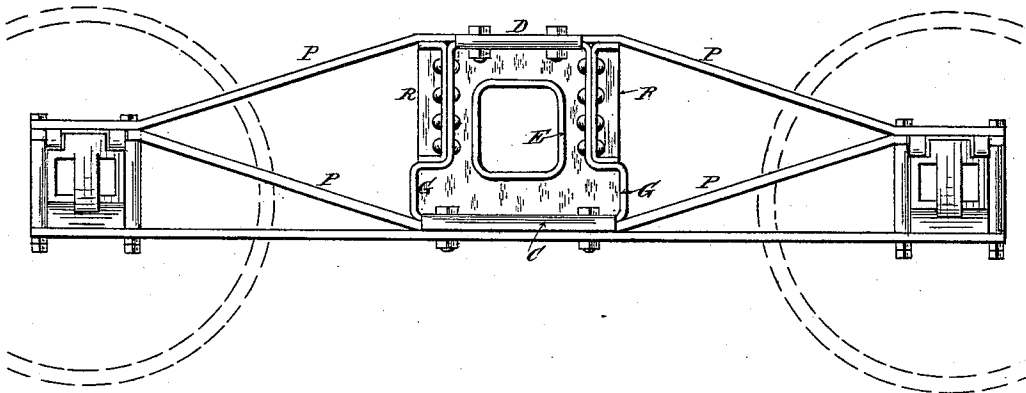
2 Sheets—Sheet 2.

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Fig. 4.



Witnesses:

D. W. Gardner.
H. S. McArthur.

Inventor:

Edward William Mackenzie Hughes
By his Attorney,
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UNITED STATES PATENT OFFICE.

EDWARD WILLIAM MACKENZIE HUGHES, OF CHICAGO, ILLINOIS, ASSIGNOR
TO THE FOX SOLID PRESSED STEEL COMPANY, OF SAME PLACE.

TRUCK-END PLATE.

SPECIFICATION forming part of Letters Patent No. 408,030, dated July 30, 1889.

Application filed April 4, 1889. Serial No. 306,040. (No model.)

To all whom it may concern:

Be it known that I, EDWARD WILLIAM MACKENZIE HUGHES, of Chicago, Cook county, Illinois, have invented a new and useful Improvement in Truck-End Plates, of which the following is a full, true, and exact description, reference being had to the accompanying drawings.

This invention relates to an improvement in truck-end plates; and it consists of a truck-end plate made of pressed steel in the shape shown.

My invention will be readily understood from the accompanying drawings, in which—
Figure 1 represents an end elevation; Fig. 2, a vertical section through the center of Fig. 1, and Fig. 3 a side elevation of Fig. 1; Fig. 4, a view of my truck-end plate in one of the forms in which it may be applied.

The structure consists of a plate of steel approximately box-shaped with an opening through the center, as indicated.

A represents generally the truck-end plate, having when in position two lower extensions G G, above which the transom channel-bars rest in the completed structure. The central opening O has a bent flange E surrounding it, while the exterior of the plate is bent upward into the flange B, as indicated, which again is turned outward into two short flanges

at CD, as shown. The sides are provided with bolt-holes F, for the attachment of the transom channel-bars. Practically the structure is corrugated by reason of the flanges shown, thereby increasing its strength.

In Fig. 4 the truck-end plate is shown in position in what is known as the ordinary "diamond frame" P, showing the transom channel-bars R in position.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A truck-end plate made of one piece of pressed steel having a central opening and a flange surrounding the same, and having an exterior flange surrounding the plate, substantially as described.

2. The pressed-steel truck-end plate A, having an opening O and flange E surrounding the same, and having an external flange B and flanges D C, bent from said flange B, all made of one piece of pressed steel, substantially as described.

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

EDWARD WILLIAM MACKENZIE HUGHES.

Witnesses:

W. S. HARTWELL,
WM. VOSS.