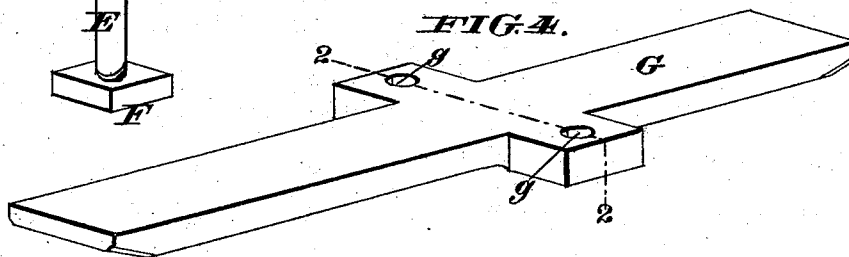
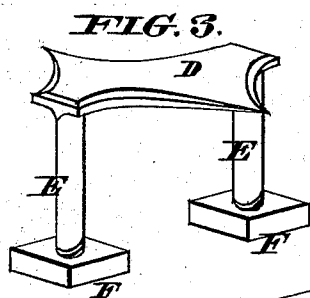
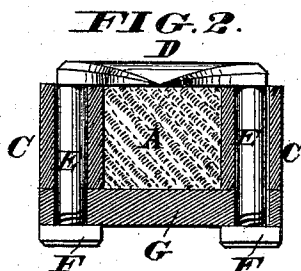
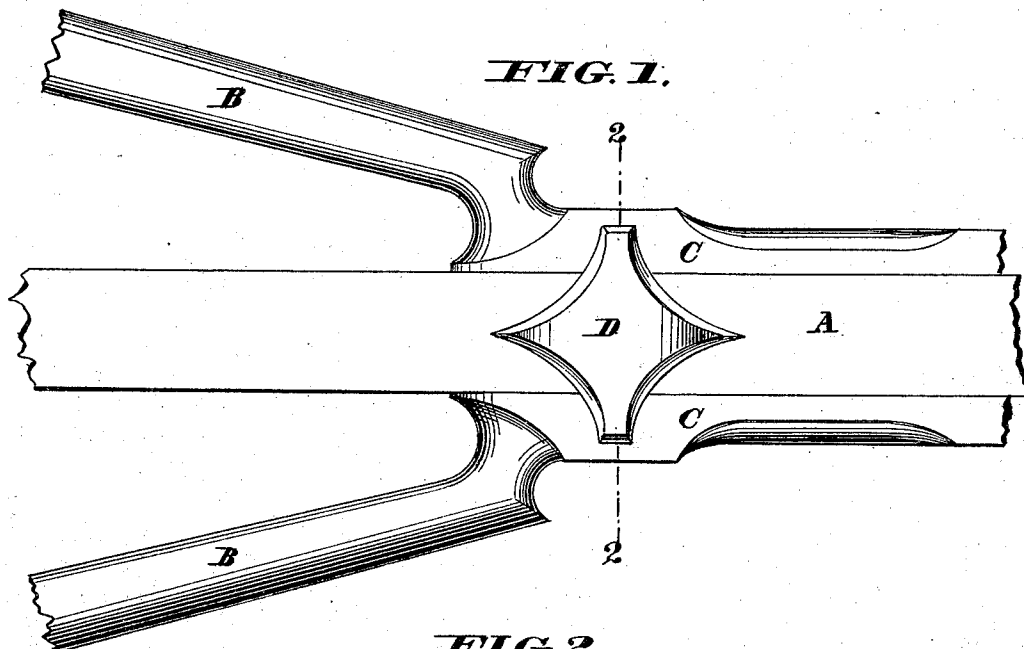


D. WILCOX.
STAY END-CLIP.

No. 174,046.

Patented Feb. 22, 1876.



WITNESSES

Wm. H. Pearce
Le Blond, Burdett

INVENTOR

Darius Wilcox
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UNITED STATES PATENT OFFICE.

DARIUS WILCOX, OF BIRMINGHAM, CONNECTICUT, ASSIGNOR OF ONE-HALF
HIS RIGHT TO ISAAC P. HOWE, OF SAME PLACE.

IMPROVEMENT IN STAY-END CLIPS.

Specification forming part of Letters Patent No. **174,046**, dated February 22, 1876; application filed
January 21, 1876.

To all whom it may concern:

Be it known that I, DARIUS WILCOX, of Birmingham, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Clipping Stay-Ends to the Reach of Carriages, of which the following is a specification:

My invention consists in a device for clipping the stay-ends or any part of the stays of the running-gear of a carriage to any suitable part of the reach, without perforating the latter. The said device consists of a clip passing through perforations in the stay-ends or braces, and through a cruciform strengthening-plate, serving to clamp the whole together in the manner hereinafter described.

In the accompanying drawing, Figure 1 is a plan view of a portion of a carriage-reach with the stay-ends clipped thereto. Fig. 2 is a transverse section on the line 2 2, Fig. 1. Fig. 3 is a perspective view of my improved clip. Fig. 4 is a perspective view of the strengthening-plate.

A represents a portion of the reach of a carriage, B B portions of the stays, and C C the stay-ends which are to be secured to the reach. For this purpose I employ a clip consisting of a flattened head, D, and two legs, E E, which legs pass through the stay-ends

C C, as illustrated in Fig. 2, the stay-ends being perforated to receive the legs, as illustrated in Fig. 2, and the legs being threaded at their lower ends to receive nuts F F. G represents a cruciform strengthening-plate, equal, or nearly so, in width to the reach A, and provided with perforations *g* in its lateral projections or lugs, through which perforations the legs E of the clip are passed. The nuts are then turned up and firmly clamp the whole together.

The invention is applicable to securing to any part of the reach any desired portion of the stays or any offset or brace therefrom. It will be seen to constitute a secure fastening without any perforations or weakening of the reach. On the contrary, it adds strength to the latter.

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

The combination of the clip D E E, the stay-ends or braces B C, having holes for the reception of the clip-legs, the reach A, and the strengthening clamp plate G, all substantially as described.

DARIUS WILCOX.

Witnesses:

CHAS. E. CLARK,
CHAS. C. BLAIR.