

D. WILCOX.
WHIFFLETREE.

No. 172,537.

Patented Jan. 18, 1876.

FIG. 1.

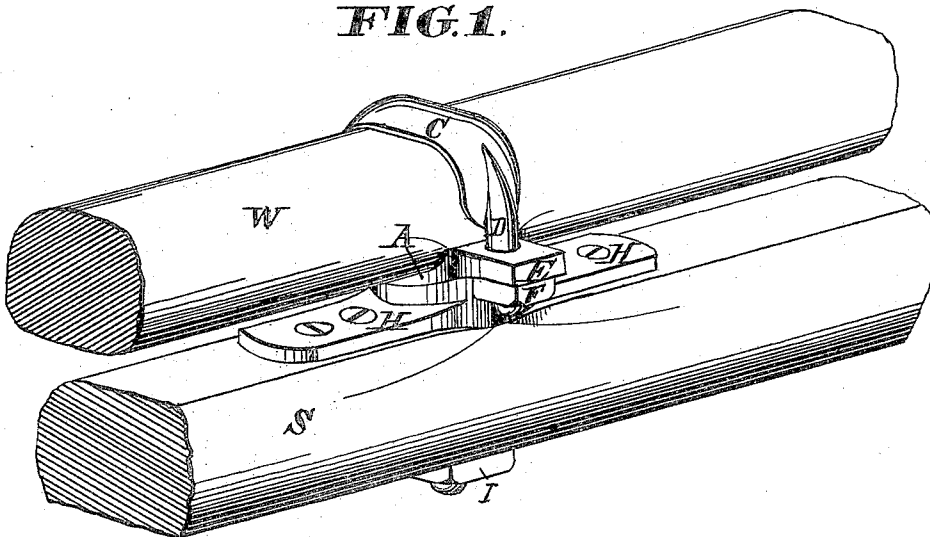


FIG. 2.

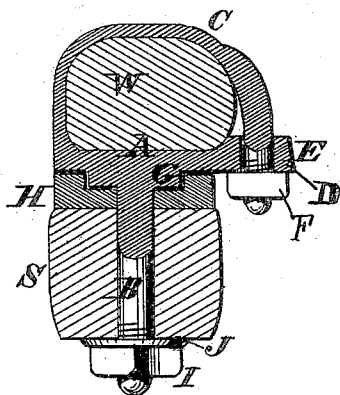
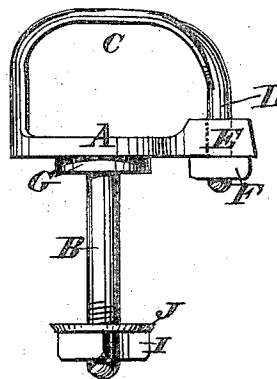


FIG. 3.



WITNESSES:

LeBlond, Burdett
A. H. Salt

INVENTOR:

Darius Wilcox
By *Knight Bros* Attorneys.

UNITED STATES PATENT OFFICE.

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

IMPROVEMENT IN WHIFFLETREES.

Specification forming part of Letters Patent No. **172,537**, dated January 18, 1876; application filed December 9, 1875.

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 certain new and useful Improvements in Whiffletree-Couplings, of which the following is a specification:

My invention consists in constructing a whiffletree attachment with a top plate made in one piece with a bolt which passes through the thill-bar, and with one or more flanges or eyes for the reception of a clip, by which the whiffletree is attached, said clip being made in one piece with the bolt and plate when but a single bolt, flange, or eye is used, as hereinafter described.

In the accompanying drawing, Figure 1 is a perspective view of portions of a whiffletree and thill-bar, with the attachment in position. Fig. 2 is a vertical section of the same. Fig. 3 is an elevation of the attachment in its preferred form.

W represents a part of a whiffletree, and S a portion of the shaft-bar, to which the said whiffletree is to be secured. A represents the top plate of the whiffletree attachment. It is made in one piece, with the bolt B passing through the shaft-bar S, and may be made in

one piece with a clip, C, embracing the whiffletree W, and constructed with a threaded end, D, passing through an eye or flange, E, on the margin of the plate A, and secured by a nut, F. The base of the top plate A is formed with a boss, G, to fit a suitable seat in the bottom plate H, which is secured to the shaft-bar S, in a customary manner. I and J represent a common nut and washer, for securing the bolt B within the shaft bar S.

The above describes the preferred form of my invention; but it is manifest that my improved top plate A may be used, if preferred, with a separate clip, constructed after the manner of a carriage-clip, the ends of which will pass through two eyes or flanges, E, on the margin of the plate A.

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

The top plate A and bolt B, made in one piece, and attached to the whiffletree by means of a clip, substantially as and for the purpose set forth.

DARIUS WILCOX.

Witnesses:

CHAS. E. CLARK,
WM. S. BROWNE.