

B. H. MERRIMAN.  
Whiffetree-Couplings.

No. 161,808.

Patented April 6, 1875.

fig. 1.

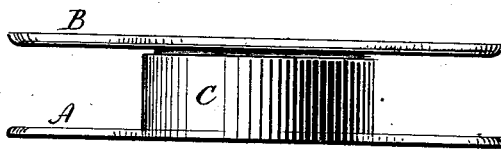


fig. 2.

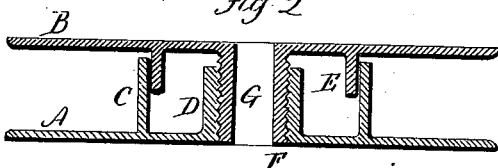


fig. 3.

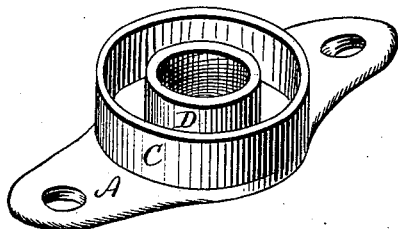
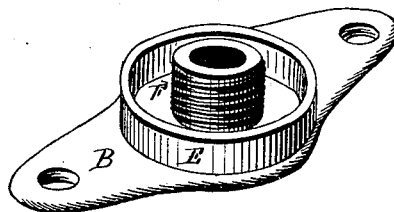


fig. 4.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

BENJAMIN H. MERRIMAN, OF NEW HAVEN, CONNECTICUT, ASSIGNOR OF ONE-HALF HIS RIGHT TO CHRISTOPHER A. SCRANTON, OF SAME PLACE.

## IMPROVEMENT IN WHIFFLETREE-COUPLINGS.

Specification forming part of Letters Patent No. 161,808, dated April 6, 1875; application filed July 20, 1874.

*To all whom it may concern:*

Be it known that I, BENJ. H. MERRIMAN, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Whiffletree-Coupling; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view; Fig. 2, a longitudinal section; Figs. 3 and 4, perspective views of the parts detached.

This invention relates to an improvement in the device by which the whiffletree is pivoted to the cross-bar of carriages, the object being to relieve the bolt from the strain usually brought upon it, and to practically prevent the accidental removal of the whiffletree; and the invention consists in a pair of plates—one for the cross-bar, the other for the whiffletree—the one constructed with a vertical circular flange and a second internally-threaded flange, the other constructed with a circular flange corresponding to the first, and with a central externally-threaded boss corresponding to the second flange, so that the threaded boss may be screwed into the other part, the flanges forming the bearing or pivot upon which the whiffletree may turn, and the screw

serves to hold the parts together, all as more fully hereinafter described.

A is the one plate; B, the other plate, constructed to be secured, the one to the cross-bar, the other to the whiffletree. The plate A is constructed with a flange, C, circular upon its upper surface, and with a central flange, D, which is threaded upon its inside. The other plate, B, is constructed with a flange, E, to fit within the flange C of the other part, and with a central boss, F, which is threaded to correspond to the internal thread of the flange D, so that the two parts are set together by screwing the one into the other, as seen in Fig. 2.

The screw allows the required play for the whiffletree, and yet prevents the accidental separation of the parts. I prefer to employ a bolt through the whole, and for this purpose make a central perforation, G; but this is not essential. The relative position of the flanges may be reversed, if desired.

I claim—

The whiffletree-coupling consisting of the plate A, with its circular flange C and threaded flange D, combined with the plate B, with its circular flange E and threaded boss F, substantially as set forth.

BENJAMIN H. MERRIMAN.

Witnesses:

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