P. McGLEW.

Whiffletree.

No. 168,167. Patented Sept. 28, 1875.

Fig. 1.

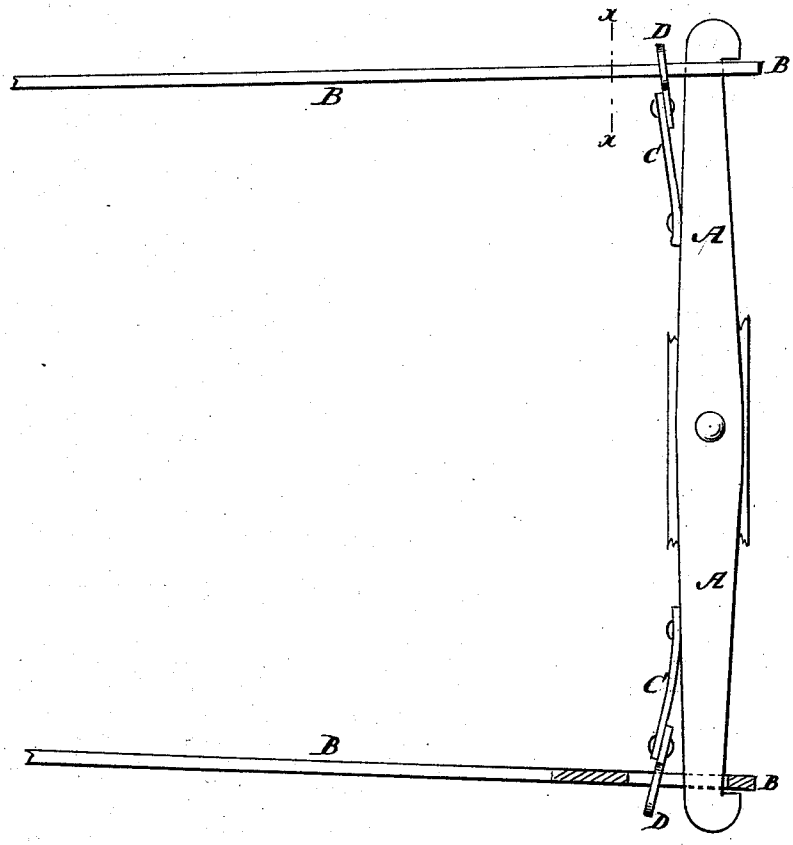
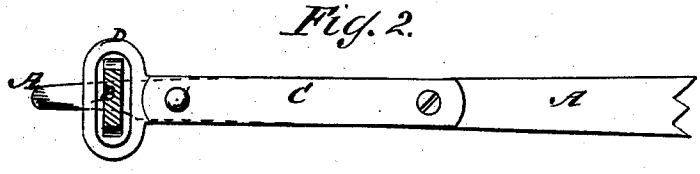


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

PATRICK McGLEW, OF DES MOINES, IOWA.

IMPROVEMENT IN WHIFFLETREES.

Specification forming part of Letters Patent No. **168,167**, dated September 28, 1875; application filed July 31, 1875.

To all whom it may concern:

Be it known that I, PATRICK McGLEW, of Des Moines, in the county of Polk and State of Iowa, have invented a new and useful Improvement in Tug-Guard Attachment for Whiffletrees, of which the following is a specification:

Figure 1 is a top view of a whiffletree to which my improvement has been applied. Fig. 2 is a front view of the same, the tug being shown in cross-section through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention is a spring or elastic trace-guard, and constitutes an improvement upon that described in Patent No. 69,771.

A represents a whiffletree, upon the ends of which are formed, or to them are attached, hooks, to receive the tugs or traces B. To the whiffletree A, near its ends, and upon its front or upper sides, are attached straps C, which are made of leather or spring metal, and upon the outer ends of which are formed, or to them are attached, loops D, of sufficient size to allow the tugs or traces B to be passed through them.

This construction of the guard adapts it to be readily attached to all wooden whiffletrees, and, by its elasticity, obviates the necessity of giving the trace a sharp bend or twist in attaching it to, and detaching it from, the whiffletree, which, as has been demonstrated in practice, tends to break the fiber of the leather, and thereby cause the traces to part at the point where the bend is made.

What I claim is—

The loop D and elastic strap C, in combination with the whiffletree A, as and for the purpose specified.

PATRICK McGLEW.

Witnesses:

J. H. PHILLIPS,

W. J. KLINE.