

C. B. McClymond.

Whiffletrees.

No. 134,758.

Patented Jan. 14, 1873.

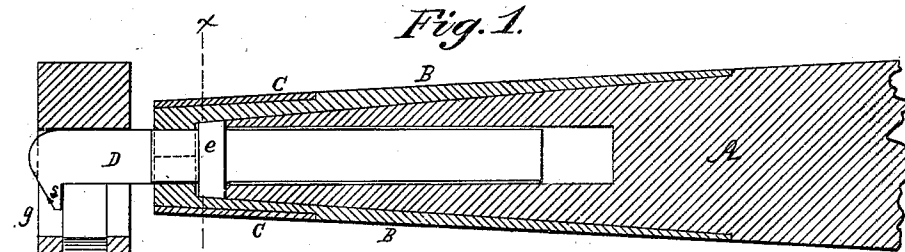


Fig. 2.

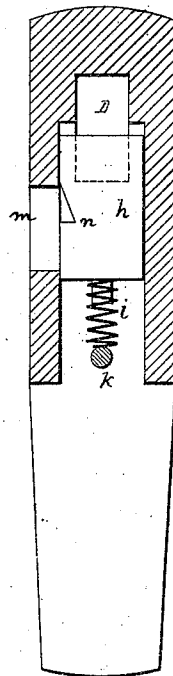
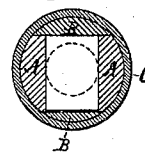


Fig. 3.



Witnesses.

Wm. W. S. Dyre.
J. J. Johnston

Inventor.

Charles B. McClymond
By J. J. Johnston & Bro.
his attorneys

UNITED STATES PATENT OFFICE.

CHARLES B. McCLYMOND, OF ELDERTON, PENNSYLVANIA.

IMPROVEMENT IN WHIFFLETREES.

Specification forming part of Letters Patent No. 134,758, dated January 14, 1873.

To all whom it may concern:

Be it known that I, CHARLES B. McCLYMOND, of Elderton, in the county of Armstrong and State of Pennsylvania, have invented a certain new and useful Improvement in Trace and Whiffletree Irons; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention consists in the peculiar construction of the whiffletree-irons, for the purpose of locking and securing the latter to the former.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawing, which forms part of my specification, Figure 1 is a longitudinal section of the trace and whiffletree irons, representing the former secured to the latter; Fig. 2 is a longitudinal section of the trace-irons; and Fig 3 is a transverse section of the whiffletree-irons at line *xx* of Fig. 1.

In the accompanying drawing, A represents the whiffletree. B represents two iron straps, which are secured to the whiffletree by means of rivets and a ferrule, C, the ends of the straps B catching over a shoulder, *e*, on the trace-hook D. The trace-iron F is constructed in two parts, and is held together by means of two or more rivets, *k*. It is also furnished with an opening, *g*, into which is inserted the trace-hook D. A recess is made in

the trace-iron for a bolt, *h*, which is held forward by a spiral spring, *i*. The trace-iron is also furnished with an opening, *m*, for inserting a suitable instrument into the notch *n* of the bolt *h* for drawing it back, so that the trace-iron may be removed from the trace-hook D. L is the opening between the two parts of the trace-iron for receiving the trace-strap, which is secured to the said iron by means of rivets. The outer end of the trace-hook D is beveled, so that when inserted in the opening *g* it will force back the bolt *h*, which will spring forward as soon as the point *s* passes the end of the bolt, thereby locking the trace-iron upon the trace-hook.

The advantages of my improvement in whiffletree and trace irons will be apparent to persons having an experience in the harnessing of horses to whiffletrees of carriages or wagons.

Having thus described the nature and construction of my improvement, what I claim as of my invention is—

Whiffletree irons consisting of two straps, B, the outer ends of which clasp the hood D forward of the shoulder or collar *e* clamped and held together by the ferrule *c*, the whole constructed and arranged upon the whiffletree A substantially as herein described, and for the purpose set forth.

C. B. McCLYMOND.

Witnesses:

A. C. JOHNSTON,
JAMES J. JOHNSTON.