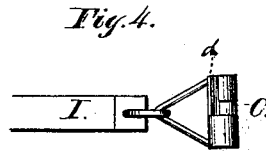
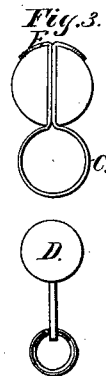
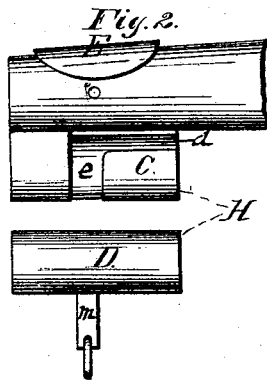
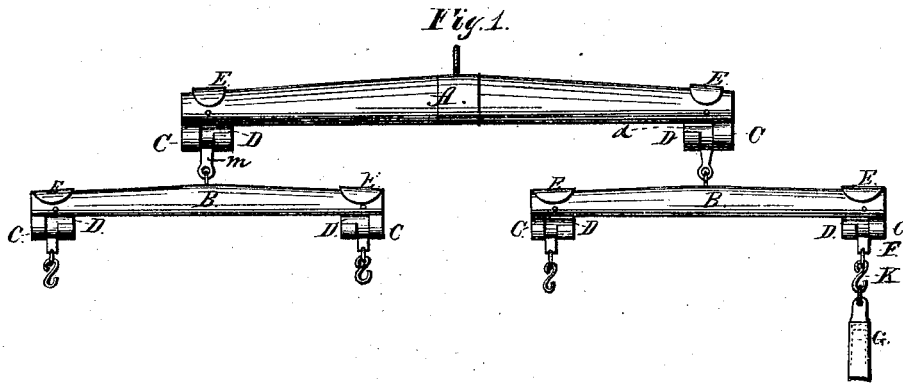


A. B. ALLEN.
WHIFFLETREE.

No. 185,009.

Patented Dec. 5, 1876.



Attest:

*A. G. Loring
John W. Binson*

Inventor:

Charon B. Allen

UNITED STATES PATENT OFFICE.

AARON BURR ALLEN, OF BARRY, ILLINOIS.

IMPROVEMENT IN WHIFFLETREES.

Specification forming part of Letters Patent No. **185,009**, dated December 5, 1876; application filed April 10, 1876.

To all whom it may concern:

Be it known that I, AARON BURR ALLEN, of Barry, in the county of Pike and State of Illinois, have invented a new and useful Improvement in Double-Trees, of which the following is a clear, full, and exact description, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 shows a double-tree and single-trees with my improvement attached. Fig. 2 shows an enlarged view of one end of the double-tree with the parts detached. Fig. 3 is an end view of the parts shown in Fig. 2. Fig. 4 shows the application of my invention to a trace or side strap.

The object of my invention is to overcome the danger and inconvenience of traces coming unfastened while in use, and also to make it convenient in taking single-trees from double-trees and applying them to plows, harrows, &c.; and it consists in the novel construction and arrangement of the attaching and detaching device or lock, as hereinafter explained.

In the drawing, the letter A represents the double-tree, and B the single-trees, which are connected by a lock, H, composed of the parts

E, C, and D. C is the slotted barrel of the lock, which is fastened to the double-tree by sawing a slit in the wood and driving it on, the flange E being already turned down. D, the bolt of the lock, is then slipped in the barrel by raising it up till the shank *m* of bolt D passes into and through the longitudinal slot *d* into the right-angled slot *e* in the barrel. (See Fig. 2.) The bolt D is fastened to the single-trees by a common staple, but on traces with an S-hook, which is hooked on any trace and then closed up, when it becomes a part of the trace. H represents the lock as unfastened. F, K, and G show the bolt of the lock attached to a trace.

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

The whiffletree-lock H, composed of the barrel C, provided with the flange E, and having the slots *d* and *e*, in combination with the bolt D, provided with the shank *m*, all constructed to operate substantially as and for the purpose set forth.

AARON BURR ALLEN.

Witnesses:

A. C. LAING,
JOHN W. BENSON.