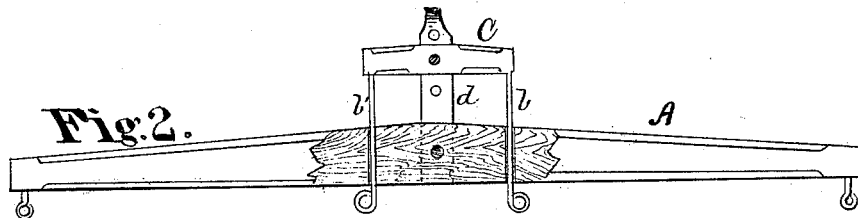
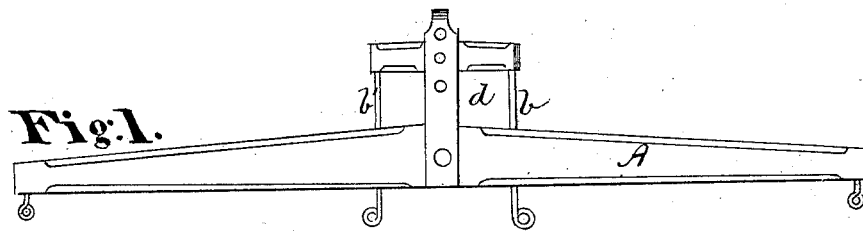


D. W. KAUFFMAN.

Whiffletree.

No. 113,895.

Patented Apr. 18, 1871.



Witnesses.

Cha. K. K. K.
Villette Anderson

Inventor.

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United States Patent Office.

DAVID W. KAUFFMAN, OF STERLING, ILLINOIS.

Letters Patent No. 113,895, dated April 18, 1871.

IMPROVEMENT IN DOUBLE-TREES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, DAVID W. KAUFFMAN, of Sterling, in the county of Whiteside and State of Illinois, have invented a new and valuable Improvement in Double-Trees; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a top view of my invention.

Figure 2 is top view and a partial horizontal section.

This invention has relation to improvements in whiffletrees; and

It consists in a combination of devices for that purpose hereinafter described, the object being the production of a whiffletree simple in construction, which will equalize the draft, single-trees being dispensed with as ordinarily used.

Referring to the drawing—

A represents a whiffletree having hooks for the connecting of the traces at its extremities.

On each side of its center is a horizontal hole for the passage of the rods *b* and *b'*, which have at one end hooks for connecting the traces, and are fastened at the other to the extremities of the short whiffletree C.

The device *d*, by which the two whiffletrees A and C are connected, is in the form of a clevis, and is fixed by a bolt to the whiffletree A, and by a pivot to the whiffletree C. It is also provided with holes for attachment to the tongue of a wagon or other object.

In this manner is formed a compound whiffletree that is simple in construction, cheap, and strong, as well as light and convenient, and that dispenses with the ordinary single-trees and the awkward cross-hitching sometimes used, and that equalizes the draft upon the animals' shoulders.

I claim as my invention—

1. The compound whiffletree herein described, consisting of the front whiffletree A having trace-fasteners at its extremities, the rear whiffletree C having trace-fasteners at its extremities which pass through holes or mortises in the whiffletree A, and the connecting-iron *a*, all constructed and arranged as and for the purposes set forth.

2. The short rear whiffletree C having the rods *b* and *b'*, substantially as shown, and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

DAVID W. KAUFFMAN.

Witnesses:

R. S. MEMGAN,
BENJAMIN F. REHRER.