

(No Model.)

C. L. PITTMAN.
DOUBLETREE.

No. 579,522.

Patented Mar. 23, 1897.

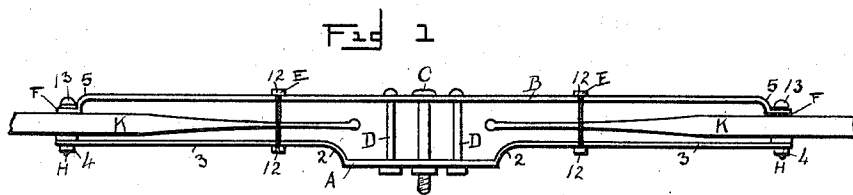


Fig 2

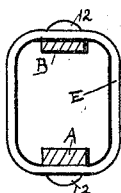
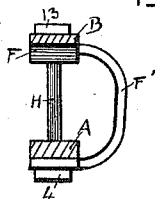


Fig 3



WITNESSES:

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CHARLES L. PITTMAN, OF UNION, NEBRASKA.

DOUBLETREE.

SPECIFICATION forming part of Letters Patent No. 579,522, dated March 23, 1897.

Application filed November 21, 1895. Serial No. 569,701. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. PITTMAN, residing at Union, in the county of Cass and State of Nebraska, have invented certain useful Improvements in Doubletrees; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention has relation to a new and improved doubletree.

The object of my invention is to provide a doubletree by means of which the draft shall be more direct than in the doubletrees which are usually affixed to the top of the tongue.

In the accompanying drawings, Figure 1 shows a front view of my improved doubletree, and Figs. 2 and 3 transverse sections thereof.

The aim of my invention is to provide a doubletree, the singletrees of which, as well as the doubletree itself, shall be in direct line with the tongue, so that the draft or strain of the tug would come in an exact plane with the tongue and not parallel, as usual in double and single trees usually employed.

A represents the bottom of my improved doubletree, which is in the form of a skeleton structure of light strap metal—such as iron, steel, or aluminium—and is provided with the upwardly-extending curves 2 2 and then the outwardly-projecting straight bars 3 3, as is clearly shown.

B represents the upper bar of my skeleton doubletree, which is provided with the downwardly-extending portions 5 5, terminating in the ears F F, through which I extend the bolts

H H, passing through the singletrees K K and through the lower bar A to form my skeleton doubletree.

Centrally I reinforce and strengthen the bars A B by means of the bolts D D, between which and the top and bottom bars A B the tongue of the vehicle is held, the tongue being further secured by means of the usual king-bolt. At the ends I strengthen and secure the bars by means of the half-loops F', as shown in Fig. 3, which are held by the bolt H, the heads of which I have marked 13 and the retaining-nut 4.

To regulate the swinging of the singletrees K and to act as a check, I provide the loops E, as shown in Fig. 2, which also aid in strengthening this skeleton frame, which I aim to make exceedingly light.

The device is noticeable in that the draft-animals can draw the tongue direct.

Now, having thus described my said invention, what I claim as new, and desire to secure by United States Letters Patent, is—

In a doubletree, the strap-metal bar, A, provided with the upwardly-extending curved portions, 2, 2, and the outwardly-projecting straight portions, 3, 3, the upper strap-bar, B, provided with the downwardly-extending portions, 5, 5, terminating in the ears, F, F, the bolts, H, H, extending through said ears, F, F, and the lower bar, A, the central reinforcing-bolts, D, D, the terminal half-loops, F', and the loops, E, substantially as shown.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES L. PITTMAN.

Witnesses:

C. F. DAVIS,
D. LYNN.