

T. G. Moore. Harness Tree.

No. 118,547.

Patented Aug. 29, 1871.

Fig. 1.

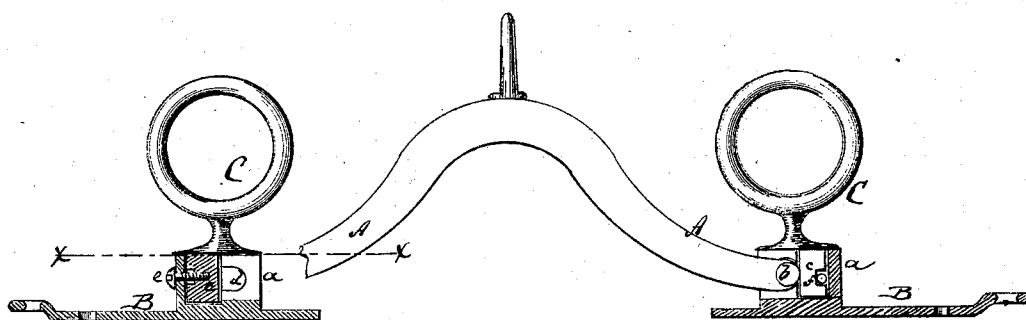
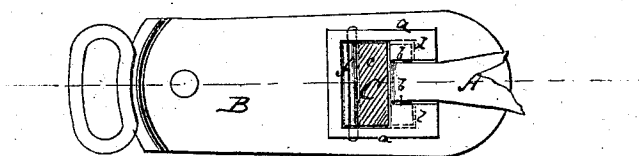


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

THOMAS GEORGE MOORE, OF ALBIA, IOWA.

IMPROVEMENT IN HARNESS SADDLE-TREES.

Specification forming part of Letters Patent No. 118,547, dated August 29, 1871; antedated August 25, 1871.

To all whom it may concern:

Be it known that I, THOMAS GEORGE MOORE, of Albia, in the county of Monroe and State of Iowa, have invented a new and Improved Self-Adjusting Harness-Tree; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a side view, partly in section, of my improved self-adjusting harness-tree. Fig. 2 is a detail sectional top view of the same, the line *x x* in Fig. 1 indicating the plane of section.

Similar letters of reference indicate corresponding parts.

This invention relates to a new construction of harness-tree, to make the same self-adjusting to the animal's back, and easily put together. The invention consists in connecting the bridge and jockeys by means of tenons on the former and sockets on the latter, and applying the terrets to the last-named sockets, so that they will close the same and help secure the bridge.

A in the drawing represents the bridge of a harness-tree, of suitable construction. B B are the jockeys or end pieces of the tree. From each jockey projects a socket or box, *a*, open on top and vertically slotted at the end nearest the bridge. Each end of the bridge is T-shaped—i.

e., has projecting pins *b b* at both sides. C C are the terrets. They have their shanks *c* so formed as to fit into those parts of the socket *a* that are not occupied by the bridge. The ends of the bridge are fitted within the sockets, so that the pins *b* will be concealed therein, recesses *d* being provided in the sides of the socket for the reception of said pins. The terrets are then, with their shanks, fitted into the sockets, and cover the same, locking also the pins *b* within their recesses. Screws *e* or pins *f* are employed to lock the terrets.

All parts are thus properly united and readily put together. The jockeys can swing on the pivots *b* to be self-adjusting, and cannot work loose, as they are firmly held in place by the terrets.

The construction of the tree is quite simple. All parts can be cast in the form shown, so that no difficult manipulations will be required.

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

The bridge A, provided with the T-shaped tenons *b*, combined with the jockeys B B which carry the sockets *a*, into which the terrets are secured, thus securing the bridge to the jockeys, substantially as herein shown and described.

THOMAS GEORGE MOORE.

Witnesses:

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