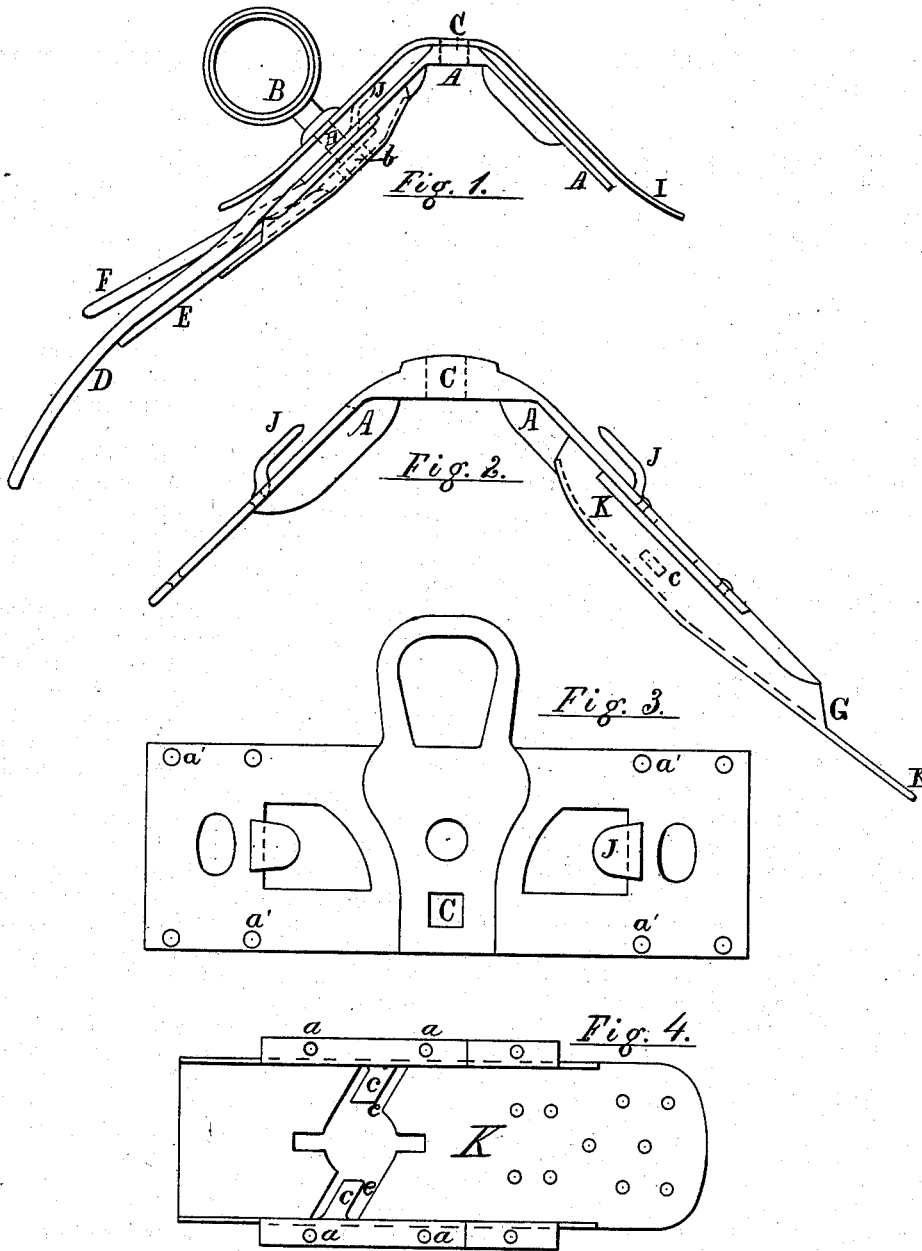


J. HUBER.
 Harness Saddle-Tree.

No. 198,619.

Patented Dec. 25, 1877.



Attest.
P. J. Inslee
A. D. Wagner

Inventor.
Jacob Huber
 By C. Drake Attorney

UNITED STATES PATENT OFFICE.

JACOB HUBER, OF NEWARK, NEW JERSEY, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN M. GWINNELL, OF SAME PLACE.

IMPROVEMENT IN HARNESS-SADDLE TREES.

Specification forming part of Letters Patent No. **198,619**, dated December 25, 1877; application filed October 8, 1877.

To all whom it may concern:

Be it known that I, JACOB HUBER, of the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Saddle-Trees, &c.; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain improvements in saddle-trees for harness, and is fully shown in the drawings accompanying this specification, in which—

Figure 1 is an elevation of one-half of a complete saddle, with its terrets and hook. Fig. 2 is a view of the tree; Fig. 3, a plan of the tree; and Fig. 4, a view of the bottom plate K.

Similar letters of reference indicate corresponding parts in each of the several figures.

This invention consists in constructing the saddle-tree, as fully described hereinafter, to secure the attachment of the flaps.

In Fig. 1, A is the body of the saddle-tree; B, the terret, and C the hole for rein-hook. D is the leather flap, under which is a leather brace, E, and over which the back-band or shaft-strap F is secured by its insertion through the opening G, in Fig. 2, and its embracing the stem H of the terret B, which passes through the jockey I, flap D, and said shaft-strap F into the nut b.

In order to retain the flap D firmly on the tree and hold its end flat against the face of the tree, so that it will not spring up therefrom, a tongue, J, is cast or riveted, or otherwise secured, on the tree under the jockey I; and in order to make the casting with facility a space is left around said tongue, to permit the molding of the same readily in sand.

The end of the tongue, being parallel with the face of the tree, holds the flap D flat on

said face without the use of the ordinary rivets or pins, while it does not extend above the face of the flap, to make a protuberance below the jockey.

In Fig. 3 are shown certain holes *a'*, provided to fit pins *a* on bottom plate K, or vice versa, which are secured to the tree by riveting said pins in the holes *a'*; or both plates may have holes in them, and ordinary rivets be used to secure them.

The bottom plate K, constructed as shown in Fig. 4, serves the purpose of covering the nuts *b* on the terret-screws H, and is provided with lugs *c*, cast on the plate, for the purpose of keeping said nuts in position and preventing them from turning. It also covers the ribs of the saddle-tree and the brace E, which is riveted to its upper surface, its box-like form imparting great stiffness and strength to the tree and furnishing a smooth surface, which conforms to the shape of the horse's back.

The casting of the bottom plate K separately secures the utmost lightness in its construction. The lugs *c* have openings *e* cast behind them, to lighten the castings and facilitate their being drawn from the sand, and the pins *a* providing a cheap and effectual means of fastening the plates to the body of the saddle-tree A.

I am aware that a hook below the terret for holding a tongue of the flap, which flap extends beneath the tree, has been used, and I do not claim the same; but

I claim—

The combination, in a harness-saddle, of a flap lying on top of the tree, and a hook, J, arranged above the terret, and holding the upper end of the flap in contact with the face of the tree, as and for the purpose specified.

In testimony that I claim the foregoing as my own I hereto affix my signature in presence of two witnesses.

JACOB HUBER.

Witnesses:

OLIVER DRAKE,
P. J. INSLEE.