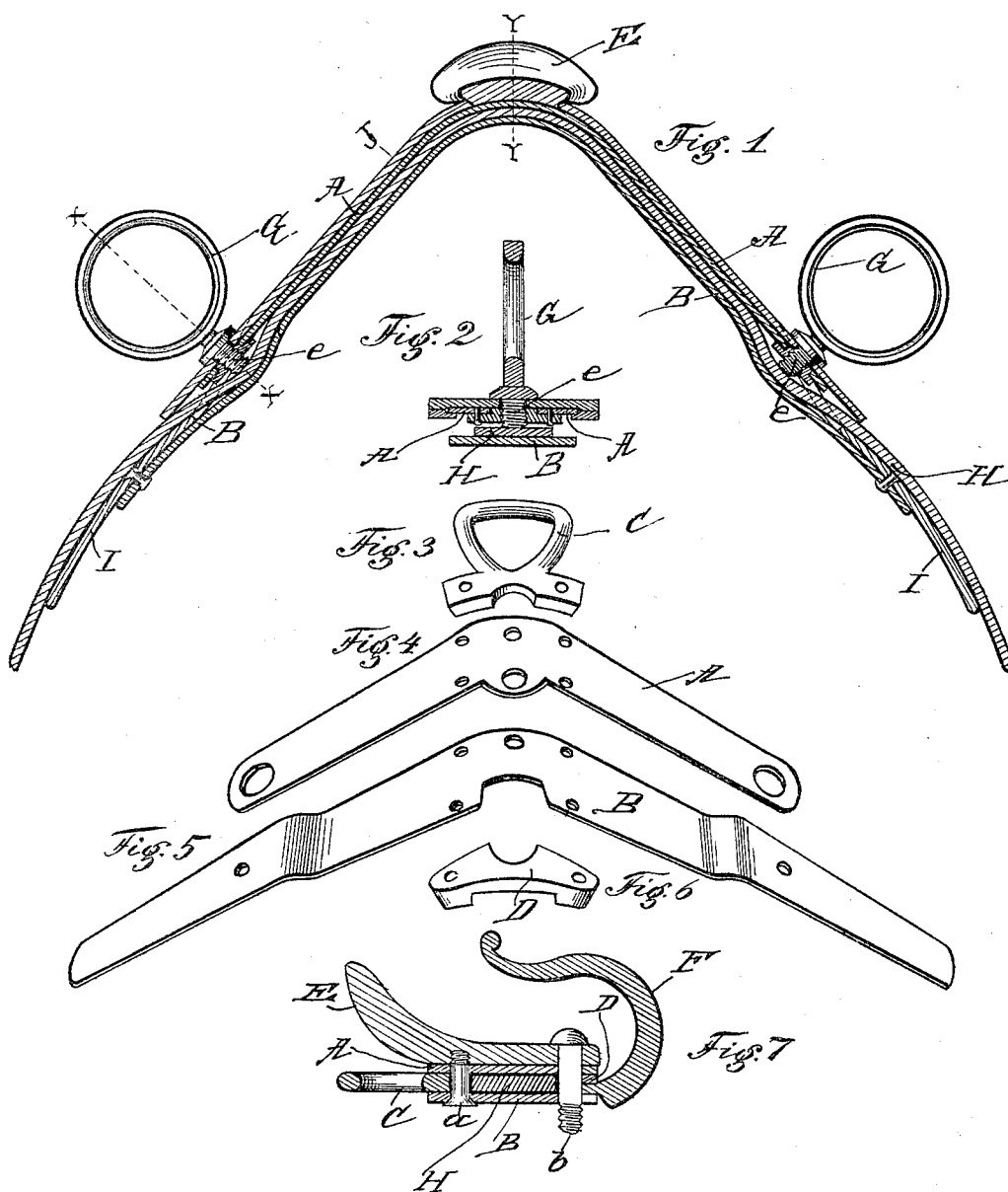


(No Model.)

R. MILLER.
HARNESS SADDLETREE.

No. 581,747.

Patented May 4, 1897.



WITNESSES
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Edw. Smith

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RICHARD MILLER, OF NEW BERLIN, OHIO, ASSIGNOR TO WILLIAM H. HOOVER, OF SAME PLACE.

HARNESS-SADDLETREE.

SPECIFICATION forming part of Letters Patent No. 581,747, dated May 4, 1897.

Application filed February 1, 1895. Serial No. 536,919. (No model.)

To all whom it may concern:

Be it known that I, RICHARD MILLER, a citizen of the United States, residing at New Berlin, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Harness-Saddletrees; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a longitudinal vertical section showing the different parts placed in proper position. Fig. 2 is a transverse section through line X X, Fig. 1, except that the full widths of the different bars and straps are illustrated. Fig. 3 is a detached view of the back-band eye. Fig. 4 is a detached view of the upper saddletree piece or plate. Fig. 5 is a detached view of the under saddletree piece or plate. Fig. 6 is a detached view of the plate-spacing block. Fig. 7 is a sectional view through line Y Y, Fig. 1, except a full transverse section is shown.

The present invention has relation to harness-saddletrees; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claim.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represents the upper saddletree piece or plate, which is located with reference to the different parts substantially as illustrated in Fig. 1 and is formed of spring or flexible material throughout its entire length and is so formed for the purpose hereinafter described.

The under saddletree piece or plate B is substantially of the form shown in Fig. 5 and is formed of spring or flexible material throughout its entire length.

For the purpose of properly spacing the saddletree-pieces A and B at their tops the back-band eye C and the spacing-block D are placed between the saddletree-pieces, substantially as illustrated in Fig. 7, and for the purpose of maintaining the flexibility of the saddletree-pieces A and B throughout their entire length and at the same time providing a cen-

tral opening the parts C and D are set or placed but a short distance upon the sides of the saddletree-pieces A and B—that is to say, said parts are extended only a short distance between the saddletree-pieces.

The seat E and the rein-hook F are attached by means of suitable clamping-bolts, such as *a* and *b* or their equivalents, in the ordinary manner and may be of any desired style, inasmuch as they form no particular part of the present invention, except that they must be used in connection with my improvement to carry out the full purpose of the harness-saddle proper. It will be understood that by forming the saddletree-piece A flexible throughout its entire length there will be no rigid portion to interfere with the animal, and at the same time the harness-saddle proper will at all times yield, so as to conform with the curvature of the animal's back.

In the event a single saddletree piece or plate is used in the formation of a saddle proper the terrets are attached to the single saddletree-piece in the ordinary manner and the supporting-straps secured to the saddletree-piece by passing the shanks of the terrets through the supporting-straps, after which the screw-threaded nuts are placed in their proper positions, so as to come upon the under faces of the supporting-straps.

The terrets G are provided with the ordinary screw-threaded shanks *e*, which screw-threaded shanks receive ordinary screw-threaded nuts, said terrets being attached to the upper saddletree-piece A, substantially as illustrated in Fig. 1. The supporting-strap H is located between the saddletree pieces or plates A and B and extends over and under said saddletree-pieces and is preferably formed of one continuous piece.

It will be understood that the supporting-strap H can be adjusted longitudinally; thereby providing for the proper adjustment in attaching the parts designed to be connected with said supporting-strap.

For the purpose of preventing any lateral displacement of the supporting-strap it is extended or placed between the back-band eye C and the spacing-block D.

It will be understood that the ordinary jockey and the covering for the necessary padding are to be connected in the ordinary

manner to complete the harness-saddle. In the drawings the padding is omitted, inasmuch as it forms no particular part of the present invention.

- 5 To the bottom or under saddletree-piece B are riveted or otherwise attached the skirt-straps I, to which skirt-straps are stitched or otherwise attached the jockey-strap J.

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

In a harness-saddle, the combination of the

saddletree-pieces A and B, formed of flexible material throughout their entire length, the back-band eye C, and the spacing-block D, 15 located between the saddletree-pieces, substantially as and for the purpose specified.

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

RICHARD MILLER.

Witnesses:

F. W. BOND,

J. A. JEFFERS.