(No Model.)

E. A. STEPHENS.

HARNESS PAD.

No. 485,305. Patented Nov. 1, 1892.

Fig. 1.

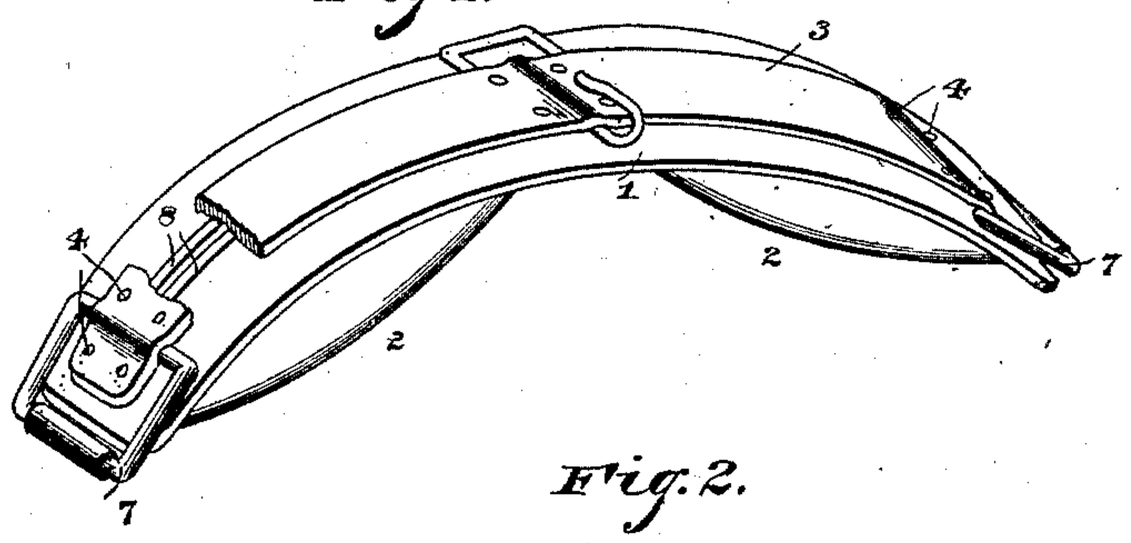


Fig. 2.

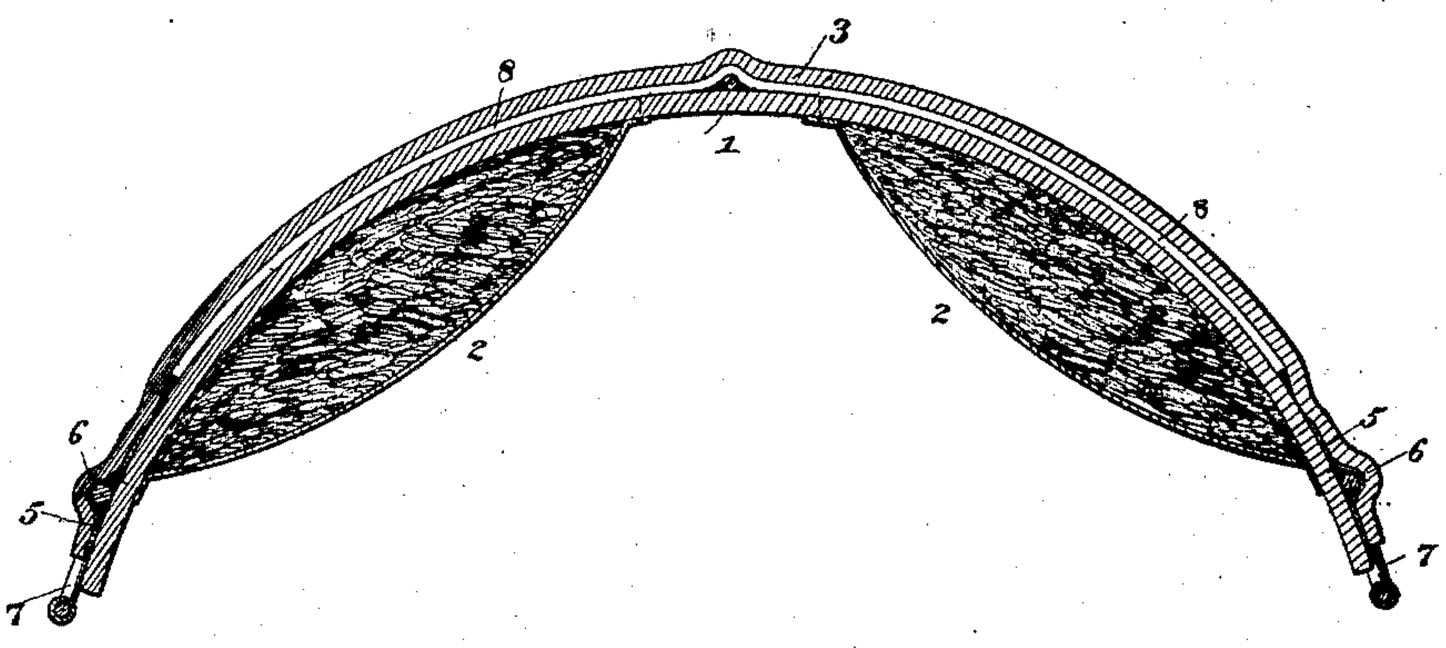


Fig. 3.

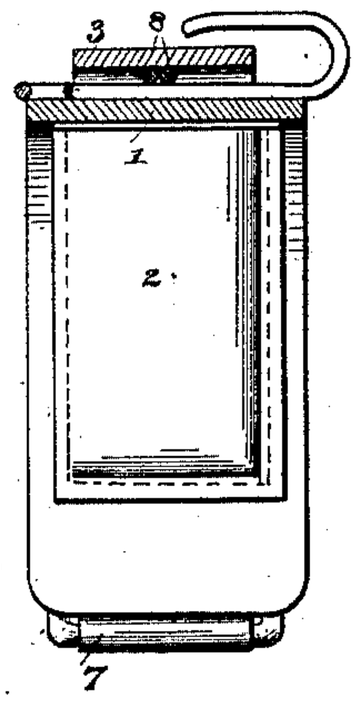
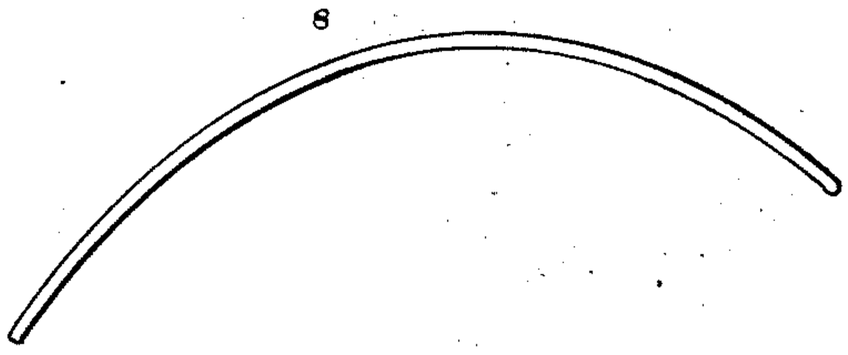


Fig. 4.



Witnesses:

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W. S. Duvall.

Inventor

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UNITED STATES PATENT OFFICE.

EDWARD A. STEPHENS, OF JONESVILLE, MICHIGAN.

HARNESS-PAD.

SPECIFICATION forming part of Letters Patent No. 485,305, dated November 1, 1892.

Application filed September 30, 1891. Serial No. 407,323. (No model.)

To all whom it may concern:

Be it known that I, EDWARD A. STEPHENS, a citizen of the United States, residing at Jonesville, in the county of Hillsdale and State of Michigan, have invented a new and useful Harness-Pad, of which the following is a specification.

This invention relates to improvements in pads for light and heavy double harnesses.

The objects in view are to provide a harness-pad of light and simple construction, that may be cheaply manufactured, and is adapted to fit the backs of various sizes of horses.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a perspective of a harness-pad constructed in accordance with my invention. Fig. 2 is a longitudinal section thereof. Fig. 3 is a transverse section. Fig. 4 is a detail in perspective of one of the tree-sections.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the usual leather base, to the under side of which is fixed the opposite pad-sections 2, and 3 designates the superimposed strap, which is riveted or stitched, as at 4, along its opposite edges to the base.

Between the strap and base, at the ends thereof, sheet-metal plates 5 are located, the same being provided with transverse kinks 6, and at each side thereof secured in position by the rivet 4. These kinks receive the inner transverse bars of the usual D's 7, and the metal plates prevent the tearing out of the leather.

The tree consists of one or a series of independent wire strands or sections 8, mounted upon the base under the strap and between the rows of rivets or stitches, securing the strap to the base. These strands of wire are independent of each other or may be attached together and may be any number and are preferably formed of steel wire, which being bent the required shape retains the shape thus given them, and any bending of the saddle will be communicated uniformly through all the wires. By a saddle thus constructed I am enabled to fit the backs of various horses, both laterally and longitudinally, no matter how great the discrepancy in proportions may be, and in all instances the animals find great relief and comfort, in that the pressure is then evenly spread over that portion of the back covered by the pad and no slipping or chafing of the back can occur.

From the foregoing description, in connection with the accompanying drawings, it will be obvious that I attain the objects heretofore set forth in a complete, cheap, and simple manner and provide withal a strong serviceable pad adapted for ordinary use.

Having described my invention, what I claim is—

In a pad of the class described, the combination, with the base, the superimposed strap, and the opposite interposed transversely-corrugated D carrying plates, of the series of wire strands terminating at their ends under the plates and interposed between the strap and base and the rivets passed through the edges of the straps, through the plates at each side of the corrugation, and at opposite sides of the wires.

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

EDWARD A. STEPHENS.

Witnesses:

JACOB L. SWART,

CHARLES M. MOFFET.