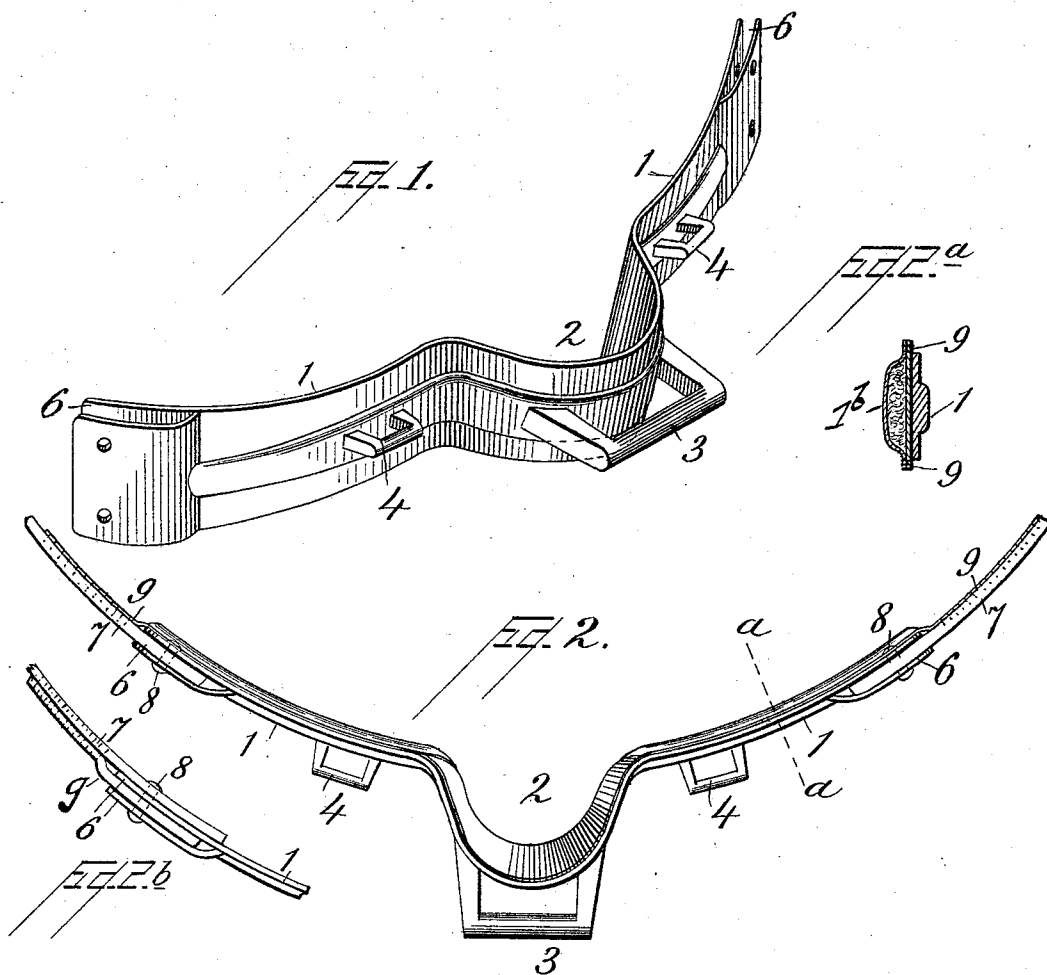


(No Model.)

J. H. GIBSON.
HARNESS.

No. 498,386.

Patented May 30, 1893.



Attest:

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UNITED STATES PATENT OFFICE.

JOHN HARVEY GIBSON, OF BRUIN, PENNSYLVANIA.

HARNESS.

SPECIFICATION forming part of Letters Patent No. 498,386, dated May 30, 1893.

Application filed May 14, 1892. Serial No. 433,048. (No model.)

To all whom it may concern:

Be it known that I, JOHN HARVEY GIBSON, a citizen of the United States, residing at Bruin, in the county of Butler and State of Pennsylvania, have invented certain new and useful Improvements in Harness; and I do declare the following to be 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, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to harness, and has for its object to provide a breast plate which will fit the horse snugly without undue pressure on the wind pipe and also to render the attachment of the breast plate to the harness more secure and convenient thereby simplifying and increasing the efficiency of the harness.

To the accomplishment of the foregoing objects, and such other objects as may hereinafter appear the invention consists in the construction and in the combination of parts hereinafter particularly described and then specified in the claim, reference being had to the accompanying drawings forming part hereof, and in which—

Figure 1 is a perspective of the breast plate used in the harness; Fig. 2 a plan view of the same showing one manner of securing the traces thereto, and padding when desired to breast plate; Fig. 2^a a cross section on line *a— a* Fig. 2; Fig. 2^b a plan of part of breast plate showing trace laid against inside of breast plate and short strap in breast plate fork.

In the drawings the numeral 1 designates the breast plate made in a single piece formed with a depression 2 to receive the wind pipe and to allow the plate to fit snugly to the breast of the animal without undue pressure on the wind pipe. This breast plate is also provided with a heavy loop 3 to receive the hold-back strap when it is used for a double harness, and is also provided with loops 4 to receive a shoulder strap. The breast plate

is further provided at both ends with forks 6 to receive the ends of the traces 7 as illustrated in Fig. 2. By providing forks for the ends of the traces and securing the traces therein by means of the rivets 8, the traces are securely clamped or held in place. An extra strip 9 may be placed in the forks against the outside of the traces as shown in Fig. 2^b or against the inside of the traces as shown in Fig. 2 so as to give increased strength, and if desired traces which have already been used may be attached to these outside or inside strip extensions by buckles or otherwise if it be desired to use the same. If desired this breast plate can be covered with leather, and part of it may be padded, although owing to its shape it can be used without padding as practice has demonstrated that it will not chafe or rub the horse even though no padding be used. It is preferred however to apply one ply of leather to the inside of the same which may be a continuation of the strip 9 in which event the latter may be lighter than when made separate therefrom, and in such case it is preferred to make the strip a little wider than the breast plate as illustrated in Fig. 2^a so that the padding indicated by 1^b may be stitched to it.

I have described with particularity the preferred construction of the several parts of the device but it is obvious that changes in such details can be made without departing from the spirit of the invention.

Having described my invention and set forth its merits, what I claim is—

In a harness, the combination with the traces, of the breast plate formed with the depression 2, the loops 3 and 4, and the forks 6 at opposite ends, said forks receiving a portion of the traces and having the same secured therein, substantially as and for the purposes described.

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

JOHN HARVEY GIBSON.

Witnesses:

R. P. DANBINSPECK,
LEVINE WILLMINA KELLY.