

No. 768,145.

PATENTED AUG. 23, 1904.

J. F. PLANDER.
PNEUMATIC HARNESS SADDLE.

APPLICATION FILED MAY 2, 1904.

NO MODEL.

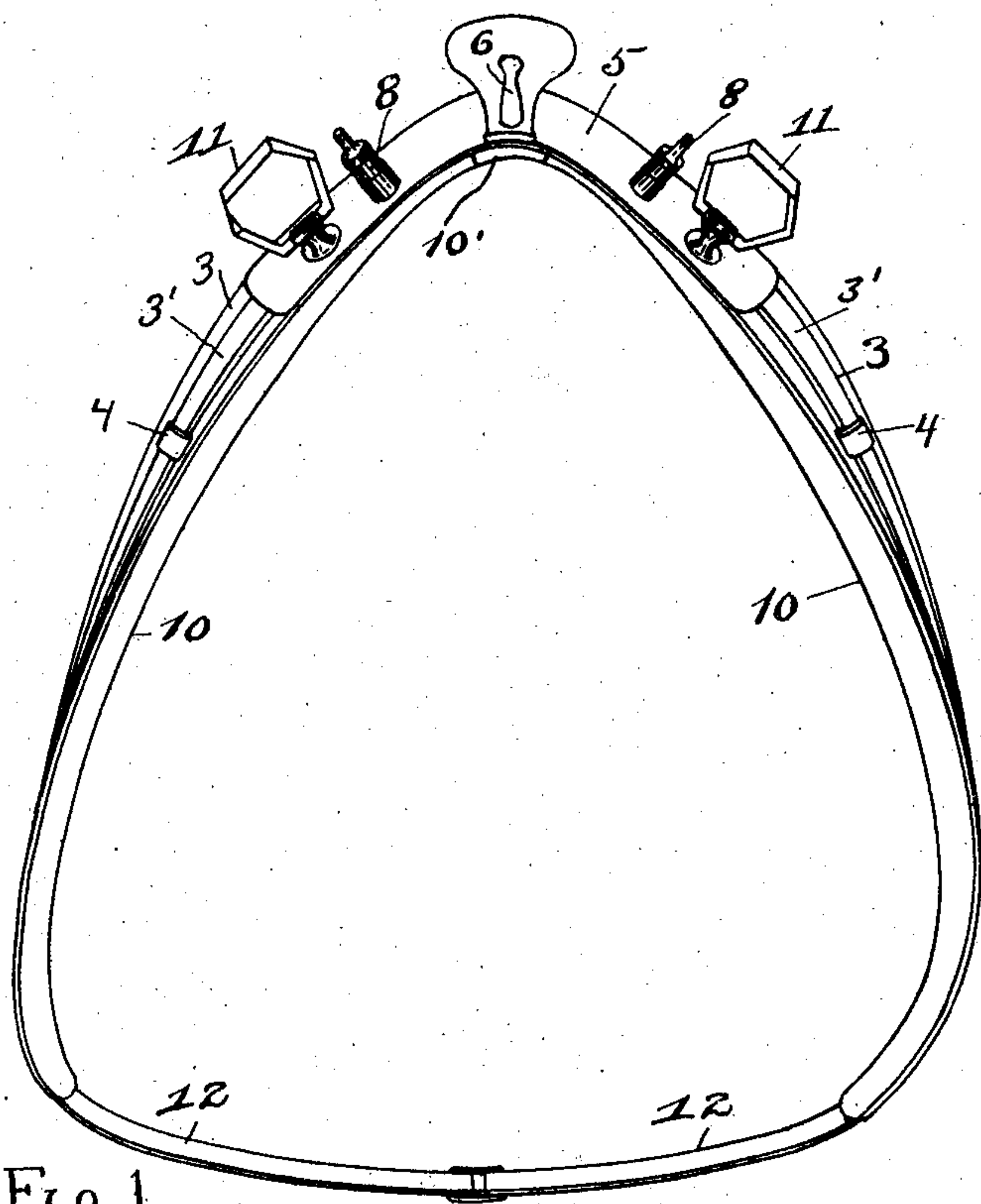


Fig. 1.

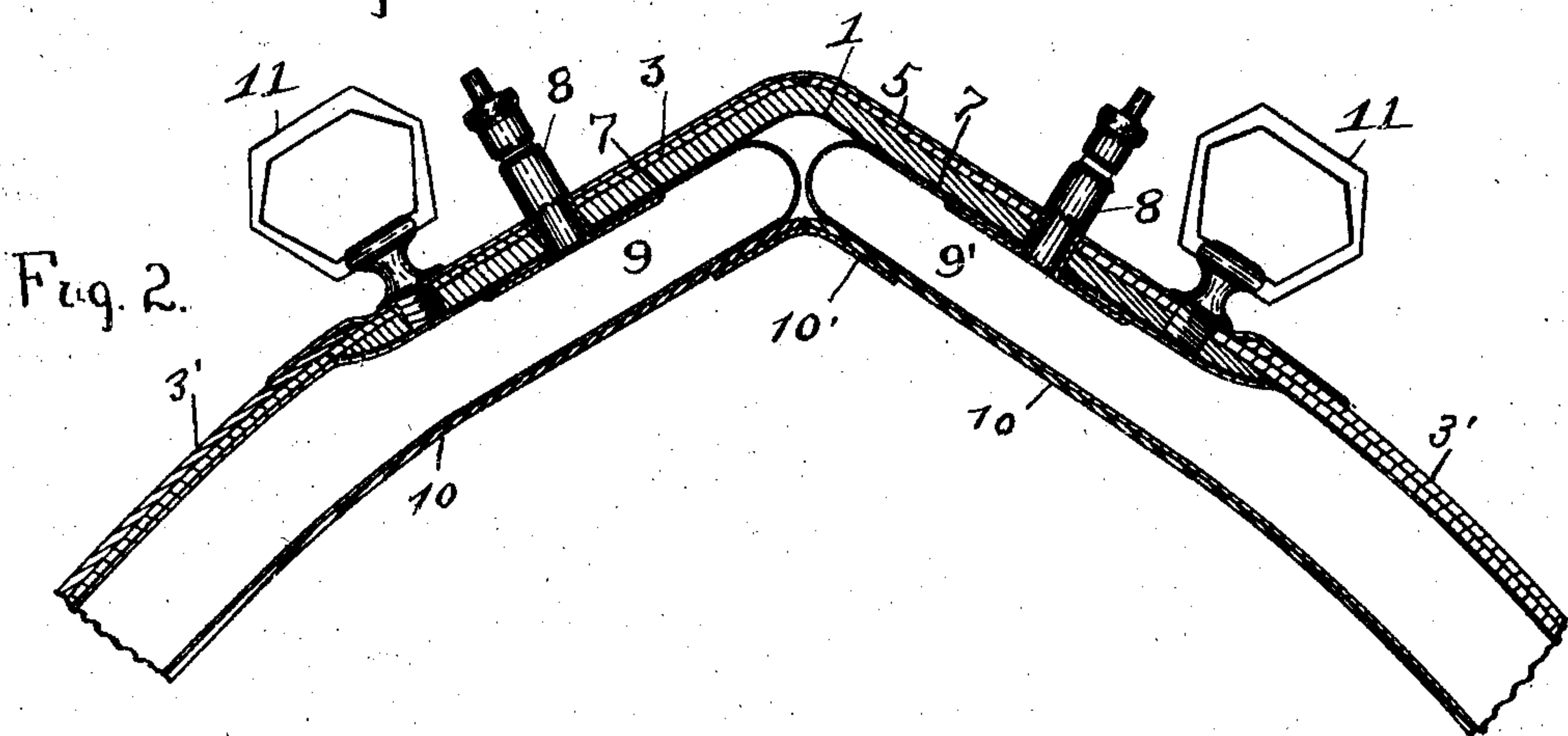


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN F. PLANDER, OF DAYTON, OHIO.

PNEUMATIC HARNESS-SADDLE.

SPECIFICATION forming part of Letters Patent No. 768,145, dated August 23, 1904.

Application filed May 2, 1904. Serial No. 205,914. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. PLANDER, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Pneumatic Harness-Saddles; 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 part of this specification.

This invention relates to improvements in pneumatic harness-saddles; and it consists of the novel features and arrangement of parts, as hereinafter shown, described, and claimed.

The object of the invention is to provide a harness-saddle with two independent pneumatic cushions, either one of which may be removed without disturbing the other, and to this end certain structural features are employed, which will hereinafter be more fully described and claimed.

Preceding a detail description of my invention, reference is made to the accompanying drawings, of which—

Figure 1 is an elevation of a harness-saddle constructed in accordance with my invention. Fig. 2 is an enlarged sectional elevation of the upper portion of said harness-saddle.

In a detailed description of the invention similar reference characters indicate corresponding parts.

In constructing the harness-saddle now to be described I employ a metallic member 1, known as a "tree," which is angular in form and forms the apex of the saddle and which is inclosed on its outer side by a leather section 3, known as a "skirt," and which extends throughout the length of the saddle and has connected to its lower ends billets 12. On each side of the leather skirt 3 there is a bearing-strap 3', which passes through loops or leather keepers 4 and are secured to the saddle by terrets 11, which pass through the skirt 3 and are secured in taps in the tree 1. The fastened ends of the bearing-strap 3' are covered by a patent-leather skirt or covering 5, which incloses the upper side of the leather skirt 3 at the apex of the saddle.

6 designates a checkrein-hook secured at the apex of the saddle.

8 designates two valves and stems, the latter of which are inserted through openings in the leather skirts 5 and 3 and through openings in the metallic tree 1.

9 and 9' are pneumatic tubes, which are inclosed on their inner sides by a soft-leather casing 10, constructed of two parts, with their adjacent ends open at the apex of the saddle. These casings are stitched throughout their longitudinal edges to the leather skirt 3. Between the metallic tree 1 and the air-tubes 9 and 9' there is a projecting-strip 7, of leather, which is secured to the skirt 3 and incloses the tree 1. The inflatable cushions 9 and 9' are, as before stated, disconnected at their upper ends. The casings 10 are also disconnected and have their ends open, as before stated, in order to gain access to the air-tubes in case of necessity. These open ends of said casings are inclosed by a detachable leather cover 10', so that access may be had to the ends of said casings by detaching the cover 10'. In the event that one or the other of the air-tubes should become punctured it will be readily seen that its removal may be effected without disturbing the other tube.

Having described my invention, I claim—

A pneumatic harness-saddle, having a metallic tree, a leather skirt inclosing the outer side of said tree and having its longitudinal edges projected beyond the similar edges of the tree, air-valves and stems, one of which is placed on each side of the apex of the saddle and enters openings in the skirt and the tree, a two-part leather casing having adjacent open ends, the said casing having its longitudinal edges stitched to the leather skirt and forming two pockets extending from one end of the saddle to the other, a pneumatic tube inclosed within each of said pockets with their adjacent ends disconnected, each of said tubes being connected with an air-valve, and a detachable cover inclosing the adjacent open ends of the leather casing, as herein set forth.

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

JOHN F. PLANDER.

Witnesses:

JOHN W. McKEOWN,
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