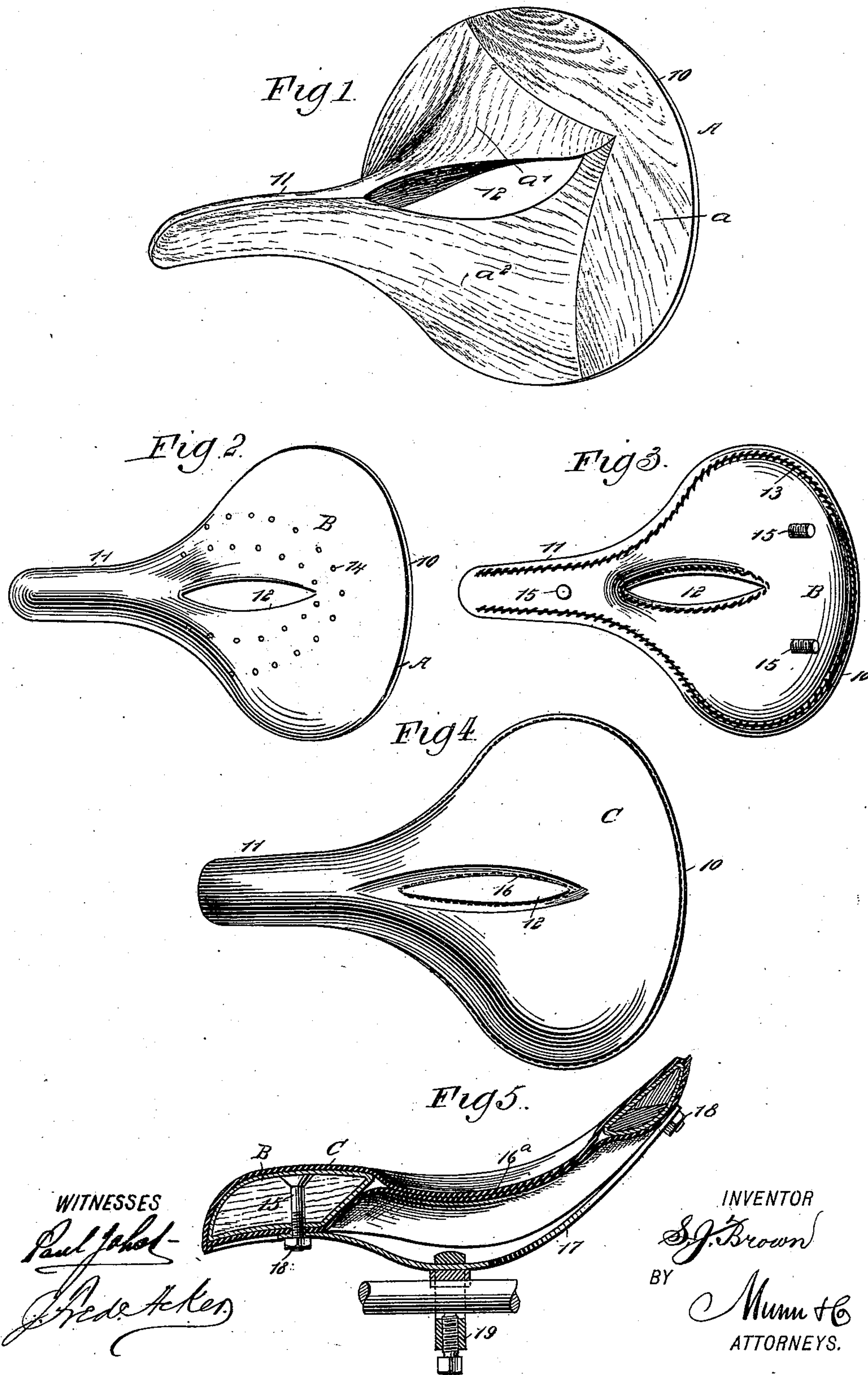


(No Model.)

S. J. BROWN.
BICYCLE SADDLE.

No. 556.250.

Patented Mar. 10, 1896.



UNITED STATES PATENT OFFICE.

SYLVESTER J. BROWN, OF DENVER, COLORADO.

BICYCLE-SADDLE.

SPECIFICATION forming part of Letters Patent No. 556,250, dated March 10, 1896.

Application filed May 2, 1895. Serial No. 547,930. (No model.)

To all whom it may concern:

Be it known that I, SYLVESTER J. BROWN, of Denver, in the county of Arapahoe and State of Colorado, have invented a new and Improved Bicycle-Saddle, of which the following is a full, clear, and exact description.

My invention relates to an improvement in bicycle-saddles; and it has for its object to construct a solid seat or saddle for bicycles having the tree of wood or a like material, a waterproof covering of rawhide or like material, and a suitable covering of leather or similar material; and a further object of this invention is to so construct and shape the saddletree that it will afford a maximum degree of comfort to the rider.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improved saddletree. Fig. 2 is a plan view of the saddletree covered with rawhide. Fig. 3 is a bottom plan view of the rawhide-covered tree. Fig. 4 is a plan view of the finished saddle, and Fig. 5 is a longitudinal vertical section through the same.

The tree A may be said to consist of a body-section 10 and a horn 11, and preferably the entire tree is constructed in three pieces, a back transverse section, a , forming a portion of the body, and two side sections, a' and a^2 , constituting the horn and the remaining portion of the body. The side sections, a' and a^2 , are of like formation. They are widened at their rear ends to about half the width of the body, and are more or less inclined from their rear outer ends to their outer rear side edges, their inner rear side edges being brought together and glued or otherwise secured one to the other, while the forward edge of the transverse body-section a is provided with an angular recess in its forward edge, into which the rear ends of the side sections, a' and a^2 , are snugly fitted and securely fastened.

In the forward portion of the body of the saddle an opening 12 is made therein at the

center, being partially formed in each side section, a' and a^2 . The body of the saddle is given a gradual slope upward to the horn at each side of the opening, the slope being both from the rear edge and from the side edge, there being no sharp or fully-defined intersecting surfaces, while the horn 11 is formed by gradually reducing the forward ends of the sections, a' and a^2 , and giving them a convexed outer face, the tip or front of the horn at the top being gradually curved, and the said horn is furthermore shaped so that it rises gradually from the center of the saddle in a forwardly direction.

The bottom of the saddletree is rounded off smoothly at the margin of the opening 12, and preferably the forward portion of the horn is solid, the rear portion being recessed at the forward end of the opening 12.

A tree thus constructed is given a covering B, of rawhide or other suitable waterproof material, the hide being made to fit to each and every portion of the tree in a snug manner, completely covering and concealing it. The opening 12 is therefore preserved, and the sections of the hide are connected by stitchings 13, or their equivalents, while pins 14 may be, and preferably are, driven in the top of the tree along the margins of the opening 12. Screws 15 are also preferably introduced into the tree before it is covered by the hide, two screws being at the back and one at the solid portion of the horn, as shown in Fig. 3.

The saddle is finished by giving it a covering C, of leather or other appropriate material, the outer or finishing covering being made to fit snugly to the tree, and this final covering is made to extend over the opening 12, being drawn into the same, and the top and bottom stretches of the final covering at this point are stitched together, as shown at 16 in Fig. 4, the contacting material being shown at 16^a in Fig. 5.

A spring 17 is secured to the bottom of the saddle by passing the screws 15 through the spring and providing the screws with suitable nuts 18, and the spring is fitted with a clamp 19 of any approved construction for attaching the saddle to the saddle-post of the bicycle or other machine.

This saddle is so shaped and so constructed

that it is solid, light and durable, and will afford a firm yet comfortable seat, especially for long-distance riders.

It will be seen that the grain of the wood forming the back section, *a*, extends transversely of the tree and that the grain of the wood forming the side sections extends longitudinally of the tree, so that greater strength is given to the tree than would be the case were the tree made of a single piece of wood.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A saddletree consisting of two side sections secured together at their meeting edges, the said side sections being widened at their rear portions and inclined from their outer rear ends inward and rearward to their meeting point, forming substantially a wedge shape, and a transverse body-section provided with a recess in its front edge conform-

ing to the wedge shape of the side-section ends, the said transverse section being secured to said ends of the side sections and having the grain of its wood extended transversely to that of the side sections, substantially as specified.

2. A tree for a bicycle-saddle, constructed in three sections, a body-section adapted to form the rear portion of the tree and having an angular recess in its forward face extending from end to end, and two side sections fitted into the said recess of the said rear portion at their rear ends, the side sections being connected on a substantially central line and shaped to form a portion of the body and a horn, as and for the purpose set forth.

SYLVESTER J. BROWN.

Witnesses:

HUGH MACKAY,
EMIL HEYDRICH.