

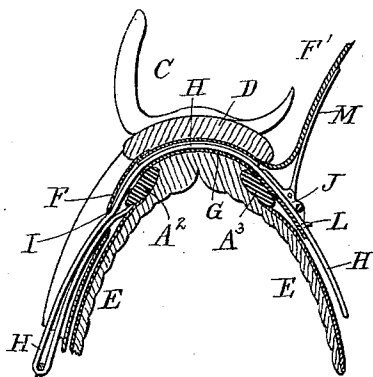
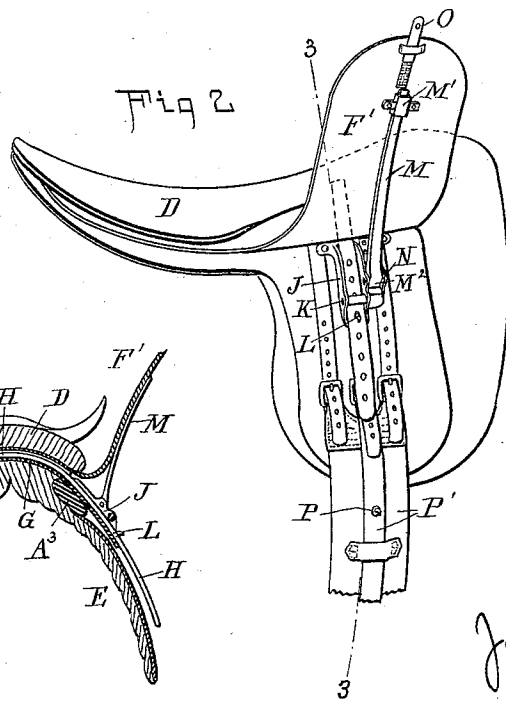
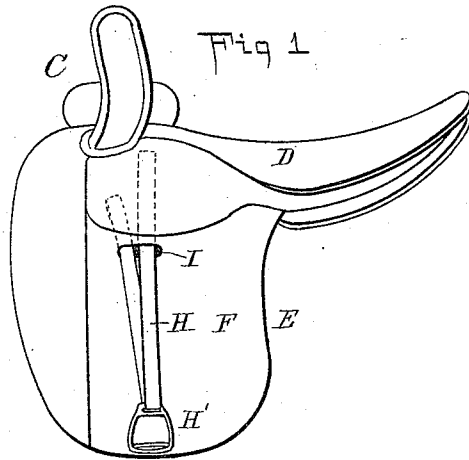
(No Model.)

2 Sheets—Sheet 1.

J. M. MARTIN.  
RIDING SADDLE.

No. 526,133.

Patented Sept. 18, 1894.



WITNESSES:

*W. B. Shepard,*  
*Roscoe C. Trombs.*

*John M. Martin—*  
INVENTOR

*Carroll D. [Signature]*  
ATTORNEY

(No Model.)

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Fig. 4.

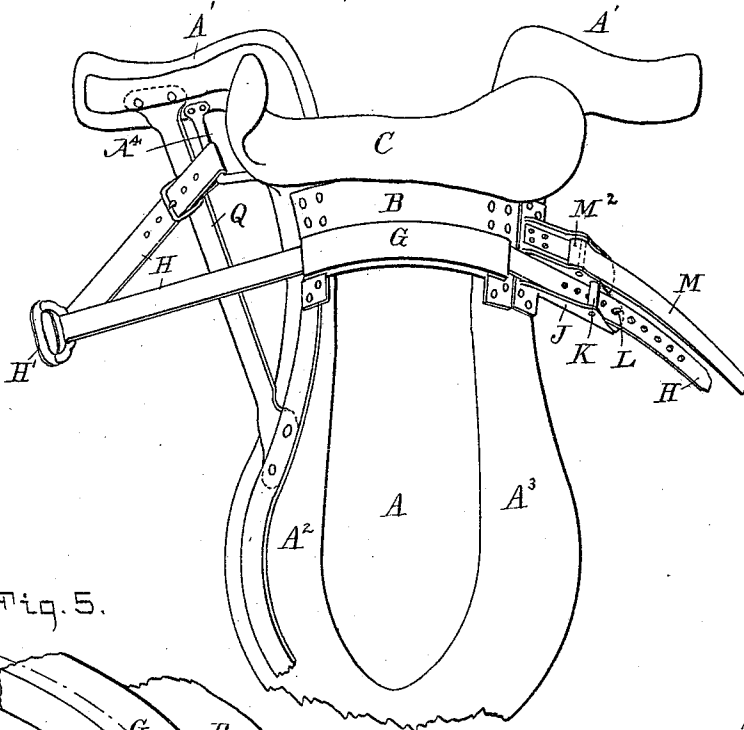


Fig. 5.

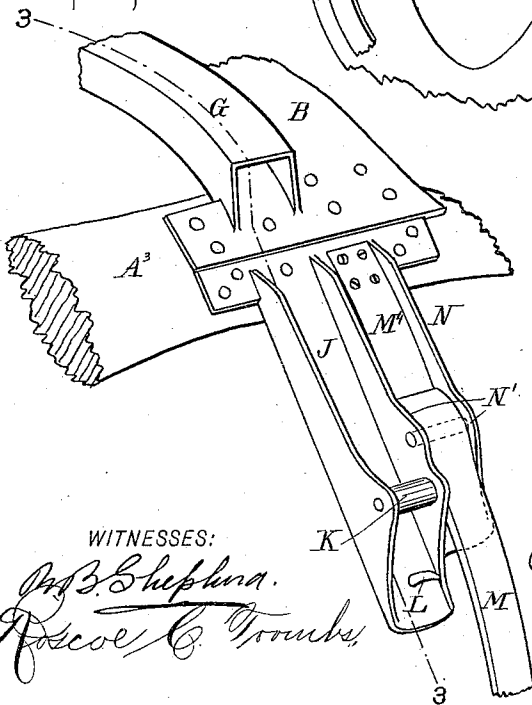
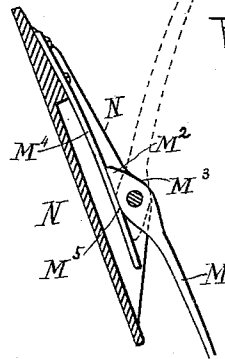


Fig. 6.



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# UNITED STATES PATENT OFFICE.

JOHN M. MARTIN, OF NEW YORK, N. Y.

## RIDING-SADDLE.

SPECIFICATION forming part of Letters Patent No. 526,133, dated September 18, 1894.

Application filed May 2, 1893. Serial No. 472,749. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN M. MARTIN, a citizen of the United States, residing in the city, county, and State of New York, have invented a certain new and useful Improvement in Riding-Saddles, of which the following is a specification.

My invention relates to riding saddles, in general, but more particularly to women's saddles, and has for its principal objects to enable the rider while in the saddle to quickly and conveniently adjust the height of the stirrup, and also to stiffen the saddle and strengthen and increase its bearing on the horse, especially on the side on which the woman is riding.

My invention by which I attain these ends comprises novel means for upholding the saddle flap to give convenient access to the stirrup-adjusting strap thereunder, a novel stirrup-adjusting device readily operated from the saddle, means for securing the flap in place when in lowered position, and a brace of novel character applied to the saddle, all as will be hereinafter more fully set forth.

In order that my invention may be clearly ascertained, I shall first describe in detail the mode in which I carry the invention into effect and then point out its novel features in the claims.

Reference is to be had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents in side view a woman's saddle embodying my invention, from the stirrup or "on" side. Fig. 2 is a view of the same from the opposite or "off" side, the saddle flap being raised to show the stirrup-adjusting device. Fig. 3 is a cross sectional view of the same on the line 3 3, Figs. 2 and 5. Fig. 4 is an enlarged plan view of the same with the flaps and seat removed. Fig. 5 is an enlarged perspective view illustrating in detail the stirrup strap adjusting-device and the flap retaining device. Fig. 6 is a detail sectional view illustrating the flap-retaining device.

Like letters of reference designate corresponding parts in all the figures.

A designates the tree of a saddle of ordinary form having the horns A' and the side limbs A<sup>2</sup>, A<sup>3</sup>; B, the bridge; C, the pommel;

D, the seat; E, the under-pads, and F F', the flaps.

In applying my stirrup-adjusting device, I secure a suitably bowed flat tube G, as a guide for the stirrup strap H, at its ends to the respective side limbs A<sup>2</sup> A<sup>3</sup>, of the tree in the line of the stirrup strap, and I may form the bridge B integrally with said tube, as shown in Figs. 4 and 5.

To the tree limb A<sup>3</sup>, as by means of an ordinary stirrup-bar A<sup>4</sup>, I permanently secure one end of the stirrup strap H, the other end of which I then pass outward through an opening I in the saddle flap F, and from the inside through the stirrup H', and thence carry it back loosely through the flap opening I and the transverse tube-guide G, out on the opposite or "off" side of the saddle, and through a chute or open guide J, secured to the tree-limb A<sup>3</sup> in line with the tube-guide G. Across the top of the chute-guide J is pivoted a roller or pulley K, beneath and around which the end of the strap H is passed, and in the chute-guide below the roller K is fixed a hook-catch L, to be engaged by one of a row of eyelets in the loose end of the strap. The guide J, pulley K and catch L form a strong and convenient buckle securely fixed to that side of the saddle-tree. With this arrangement, the woman rider can with one hand reach the loose end of the strap, being on the "off" side, and by pulling the same upward over the pulley K detach it from the hook-catch L and raise or lower the stirrup H' on the opposite side to any height desired, after which she can again secure the strap by the hook-catch L. To facilitate this adjustment, I provide for retaining the "off" flap F', covering the adjusting device, in position, when raised to expose the adjusting device, by means of a flat flexible rim M, one end of which is fitted to slide lengthwise in a guide M' secured to the under side of the flap F', and the other end of which is pivoted to swing in the vertical plane between ears N' of a base-piece N, which is fixed to the tree-limb A<sup>3</sup>, and may be formed integrally with the chute-guide J as shown. The said end of the rib M is formed with a nose M<sup>2</sup> having two bearings M<sup>5</sup> and M<sup>3</sup>, shown in Fig. 6, which are alternately engaged by a spring M<sup>4</sup> on the base-piece N, so that the rib M, and

hence the flap F' on which it plays, will, when raised as shown in Fig. 2, be spring-held in such position, and when again lowered, be likewise retained in that position. The rider is thus enabled to manipulate both the flap and the stirrup-adjusting device with one hand, leaving the other hand free to control the horse.

To positively secure the lowered flap in place over the adjusting device, I provide it with an eyeleted tongue O to engage a hook-catch P on the girth P', as shown in Fig. 2.

From the "on" limb A<sup>2</sup> to the corresponding horn A' of the tree, I extend a strong flat diagonal brace Q, rigidly secured at its ends to said horn and limb, to stiffen the tree for the extra work put upon it and serve as an increased bearing on the side on which the woman rides. The brace Q particularly strengthens the corresponding horn A' against the rearward strain imposed upon it in drawing the strap H through the guide G in the adjustment before described.

I claim—

1. In a side saddle, the combination with the saddle tree having the opposite side limbs A<sup>2</sup> and A<sup>3</sup>, and the transverse strap-guide G connecting the limbs A<sup>2</sup> and A<sup>3</sup>, of a stirrup strap running loosely through the strap-guide G, a stirrup on said strap depending from the tree limb A<sup>2</sup>, and a buckle rigidly attached to the tree limb A<sup>3</sup>, to which buckle the cor-

responding end of the stirrup strap is adjustably fastened, so that said stirrup strap can be readily unfastened, adjusted and fastened on the "off" side of the saddle, substantially as and for the purpose hereinbefore set forth.

2. The combination, with the saddle tree, comprising the side limbs A<sup>2</sup> and A<sup>3</sup> and their respective horns A' A', the strap guide G connecting the limbs A<sup>2</sup> and A<sup>3</sup>, and the stirrup bar A<sup>4</sup> connecting the limb A<sup>2</sup> and its horn A', of a stirrup strap run loosely through the strap guide G, a buckle rigidly attached to the limb A<sup>3</sup>, to which buckle one end of the stirrup strap is fastened adjustably, the opposite end of said strap depending in a loop from the limb A<sup>2</sup> and secured to the stirrup bar A<sup>4</sup>, and a stirrup H' slung loosely on said loop, substantially as and for the purpose hereinbefore set forth.

3. The combination, with the saddle tree provided with the transverse strap guide G, of a stirrup strap running loosely through the strap guide G, a stirrup on said strap on one side of the saddle, a strap-guide J fixed to the tree on the opposite side of the saddle, a strap pulley K spanning the guide J and a strap-catch L fixed with respect to said pulley, substantially as shown and described.

JOHN M. MARTIN.

Witnesses:

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ROSCOE C. TOOMBS.