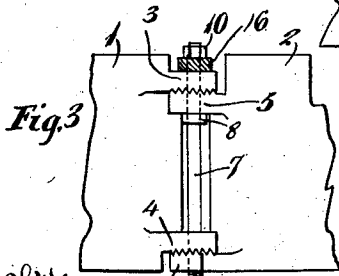
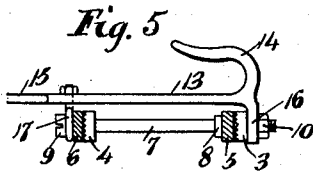
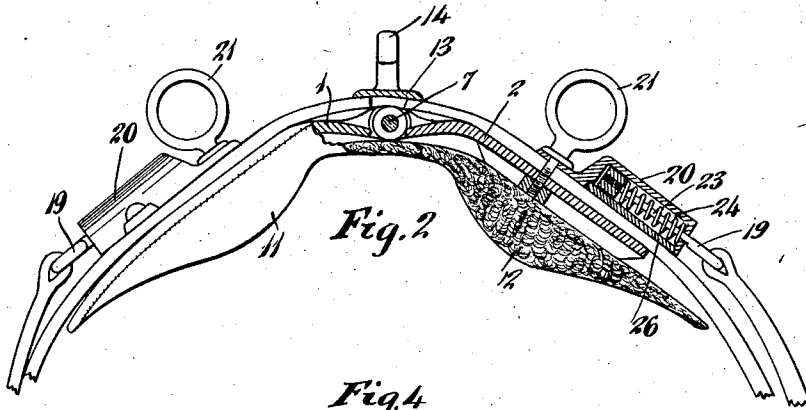
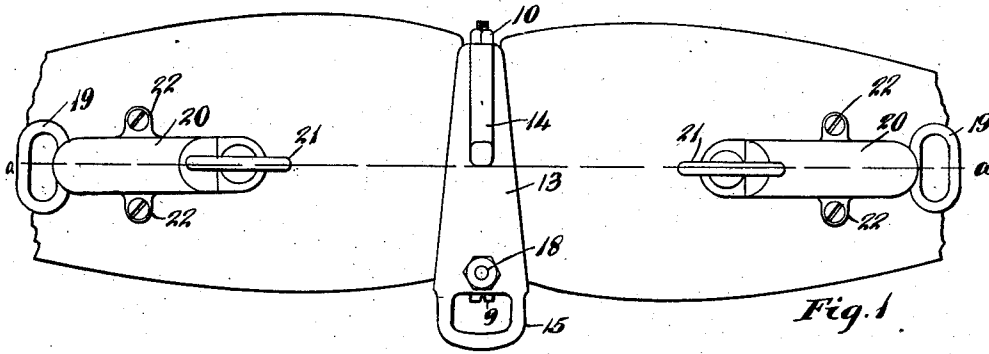


A. BERNSTEIN.
SADDLE.

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1,011,401.

Patented Dec. 12, 1911.



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UNITED STATES PATENT OFFICE.

ABRAHAM BERNSTEIN, OF CINCINNATI, OHIO.

SADDLE.

1,011,401.

Specification of Letters Patent.

Patented Dec. 12, 1911.

Application filed August 3, 1910. Serial No. 575,358.

To all whom it may concern:

Be it known that I, ABRAHAM BERNSTEIN, a citizen of the United States, and a resident of Cincinnati, county of Hamilton, and State of Ohio, have invented a new and useful Saddle, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to a saddle, which, by reason of its adjustability, provides ready adaptability without irritation to the conformation of any horse's back, together with a high degree of durability.

In the saddles now in use, even where a perfect fit is had in the first instance, there is a tendency for the saddle tree when in use, to spread, and the saddle will thus bear down on the horse's spine and ribs, causing irritation and sores. An additional cause of irritation in the old saddles is the attachment of the check rein hook, or the seat, or both, to the saddle tree by means of a bolt or bolts, which, extending downward, through the tree, bear on the horse's back with the results indicated. These several evils are remedied by the novel features of my adjustable saddle, which may be fitted to any horse's back, and perfectness of fit retained by subsequent readjustments, if necessary, so that there will be no bearing of the saddle upon either spine or ribs, the bearing being, by means of comparatively short pads, only upon the fleshy parts between the spine and ribs. In saddles of the old styles, too, any jarring or pressure on the shafts, as when a person mounts thereon, is communicated to the saddle, and this accentuates the friction on the tender portions of the horse's back where the saddle is not properly adjusted. In my new saddle this jarring and pressure is placed, by the adjustability of the saddle, only upon such parts as are best able to stand the same.

My invention has for its object the accomplishment of the several results above indicated, viz: the removal of friction and pressure from the vital or tender parts, and the removal of the tendency toward soreness, resulting from such friction.

In the drawings: Figure 1 is a plan view of my new adjustable saddle, without the shaft tug, the saddle being open at the angle shown in Fig. 2, before adjustment to the back. Fig. 2 is a section of the same on the

line *a-a* of Fig. 1. Fig. 3 is a plan view of the adjusting portion of the saddle tree. Fig. 4 is a section of the adjusting portion of the saddle tree. Fig. 5 is a detailed view of the saddle seat and connections.

The numerals 1 and 2 indicate respectively the two leaves of my adjustable saddle tree. The said leaf 1 has knuckles 3 and 4, and said leaf 2 has coöperating knuckles 5 and 6 through which the said leaves are secured together by the pintle 7, on which pintle said leaves turn as a hinge. The contacting surfaces of each of the pairs of knuckles have interlocking teeth, by means of which the leaves of my saddle tree are locked into position after any suitable adjustment. The pintle 7 passes loosely through the knuckles 6, 4 and 5, and is screw threaded into the knuckle 3, as shown in Fig. 4. Said pintle has a collar 8, which bears on the knuckle 5 for the purpose of forcing the teeth of said knuckle into engagement with the teeth of knuckle 3, when the pintle is screwed tight by means of the slotted head 9, after adjustment. A lock nut 10 is screwed onto the pintle 7 after adjustment, to keep said pintle from working loose.

My adjustable saddle tree is covered and padded in the usual manner, with the exception that the under pads 11 and 12 are comparatively short, and are shaped so that the saddle, when properly adjusted, will be lifted by the bearing of said pads on the fleshy parts of the back, slightly above the spine.

The saddle seat 13, carrying on its front end the check rein hook 14, and on its rear end the breeching loop 15, is made of brass or other suitable material, and is slightly concaved on its under side to fit neatly over the hinging of the leaves and the ends of the leather covering. Said seat has at its front end a depending loop 16, shown in section in Figs. 3 and 4, which fits over the end of the pintle 7 between the knuckle 3 and the lock nut 10, thus securely fastening the front end of the saddle seat and the check rein hook. The opposite end of said seat is secured by means of an eye 17, fitted about the pintle 7, between the knuckle 6 and the head 9; said eye carries a threaded bolt, which extends upwardly through a hole in the seat; said seat being thereto adjustably secured by a nut 18, as shown in Fig. 1, on said bolt. Thus, by the tighten-

ing of the nut 18 the saddle seat 13 is tightened downward, and the ends of the leather covering of the saddle tree are fixedly secured by said seat; and any loosening of the parts, occasioned by the exigencies of use, may be readily provided for by re-adjustment through the nut 18.

The back band loops 19 are mounted in the sockets 20, said sockets being secured to the leaves of the saddle tree by the bolts of the saddle rings 21 and side bolts 22, as clearly shown in Figs. 1 and 2. Each of said loops 19 has a plunger 23 which extends into one of said sockets. About said plunger, and between a nut threaded on the end thereof and the front wall of the socket, is a spring 24, giving elasticity and the requisite tension to said loop, from which the shaft tug may be suspended. A plate 26 is interposed between said socket and the leather covering of the tree to prevent the movements of the plunger from wearing on said leather.

From the foregoing description the several novel features of my invention and the uses thereof will be apparent.

Having thus described my invention, what

I claim as new and desire to secure by Letters Patent, is:

1. A saddle comprising a saddle tree having a plurality of leaves and a pintle, said leaves being rotatably mounted on said pintle, a saddle seat, one end of said saddle seat being adapted to engage said pintle outside the mountings of said leaves thereon, and means adjustably to secure said saddle seat to said pintle.

2. A saddle comprising a saddle tree having a plurality of leaves and a pintle, said leaves being rotatably mounted on said pintle, a saddle seat, said saddle seat having a check rein hook at one end thereof, said hook having a depending loop adapted to engage said pintle outside the mountings of said leaves thereon, and means adjustably to secure the other end of said saddle seat to said pintle.

In testimony whereof, I have hereunto set my hand this 1st day of August, 1910.

ABRAHAM BERNSTEIN.

Witnesses:

CHARLES W. HOFFMAN,
ARTHUR H. EWALD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."