May 28, 1935. B. J. ANDERSON 2,002,929

SADDLE

Filed Dec. 8, 1934

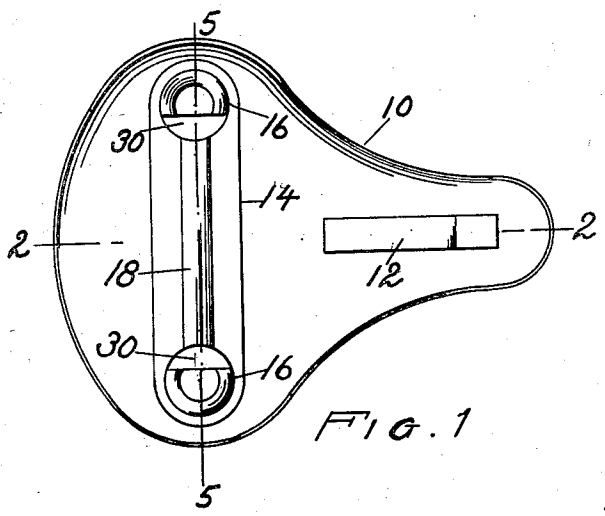


FIG. 1

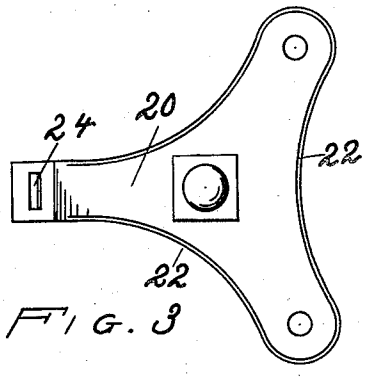


FIG. 3

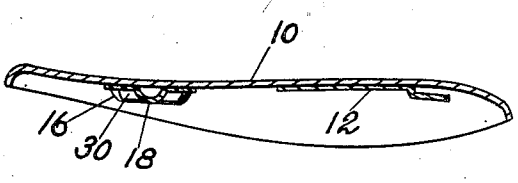


FIG. 2

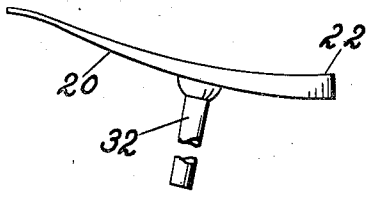


FIG. 4

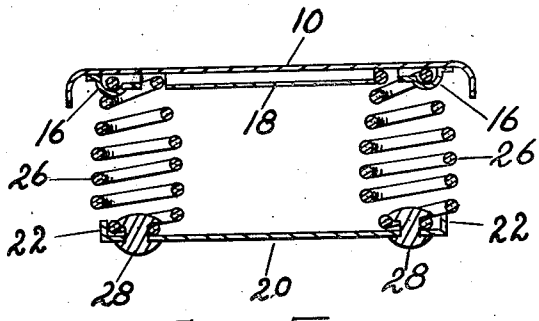


FIG. 5

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SADDLE

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Application December 8, 1934, Serial No. 756,673

7 Claims. (Cl. 208—15)

This invention relates to an improvement in a saddle of the type commonly used on velocipedes, pedal cars and other children's toys, and has for one of its principal objects the production of an article which consists of a limited number of parts which may be easily assembled to form a sturdy and rugged saddle.

Another and further important object of this invention resides in the provision of means for securing the springs in their relative positions.

A still further object of importance resides in the construction of the reach member, which has a substantially flat surface with up-turned edges to add to the strength and appearance of the member.

An additional object of importance resides in the means for securing the bottom portions of the springs to the reach member.

The invention shows other and further objects of advantage, some of which, with the foregoing, will be set forth in the following specification and accompanying drawing, which shows the preferred embodiment of this invention.

In the drawing:

Figure 1 is a bottom plan view of the body of the saddle and shows the relative positions of the reach and spring securing members.

Figure 2 is a sectional view of the body of the saddle taken on the line 2—2 of Figure 1.

Figure 3 is a top plan view of the reach member.

Figure 4 is a side elevation of the reach member and shows the relative position of the supporting post.

Figure 5 is a sectional view taken on the line 5—5 of Figure 1, and shows the springs in position between the reach and the body of the saddle.

As shown in the drawing:

The reference numeral 10 indicates in a general way the body of the saddle of this invention which, in the preferred embodiment, is constructed of sheet metal. The saddle is conventional in contour, having a restricted front end and a wide rear end, and downwardly turned edges surrounding the entire body.

Secured to the lower surface of the body 10, preferably by spot welding, is a tongue member 12 which is adapted to support the forward end of a reach member.

Secured to the under surface of the wide portion of the body transverse the longitudinal axis thereof is a flat member 14 having a segmental groove 16 formed in each end thereof. A groove 18 is formed in the member 14 between the two segmental grooves 16.

A reach member 20 having one front and two rear supporting points is preferably constructed of sheet metal and has up-turned edges 22, which add to the strength and appearance of the member. The front supporting point consists of a rectangular tongue receiving aperture 24, which is adapted to slip over the extending portion of the tongue 12 and allow a limited movement of the reach member.

When in operating position, the rear end of the reach member 22 is positioned below the body 10, and is maintained in position by a pair of compressible springs 26. The lower ends of the springs 26 are secured to the reach member 22 by rivets 28. The lower coil of the spring fits snugly over the rivet 28, which is headed to prevent removal or rotation of the spring.

The upper coil of the spring 26 is inserted in the opening 30 and is pressed into a segmental groove 16. Removal of the spring from a segmental groove is prevented by the groove 18, as is clearly shown in Figure 5.

A supporting post 32 is centrally located on the rear member 22.

In the assembly of the saddle of this invention, the springs are first riveted to the reach member. The reach member and the body are then brought together and the tongue engaged in the front aperture of the reach member. The top coils of the springs may then be easily inserted into a segmental groove without the aid of tools.

It will be apparent from the foregoing that herein is provided a saddle which is sturdy and rugged and may be economically manufactured.

Moreover, because of the limited amount of wear that the various parts are subjected to, the saddle is obviously long wearing and, because of its peculiar construction, has an unusually great amount of resiliency.

I claim as my invention:

1. A saddle for a velocipede including a stamped seat member, a tongue secured to the under surface of the seat member, a flat member having a segmental groove adjacent each end thereof secured to the under surface of the seat member transverse the longitudinal axis thereof, a reach member movably secured to said tongue member, and a pair of springs riveted to the rear end of said reach member, the topmost coil of each spring being positioned within a segmental groove in said flat member.

2. In a velocipede saddle including a seat member, a reach member, said reach member being hingedly secured to the lower surface of said seat member adjacent its forward end, a pair of heli-

cal springs secured against rotation and attached to the reach member adjacent the rear end thereof, and a flat member adapted to receive the ends of the helical springs secured to the seat member, the ends of said helical springs being positioned above said flat member.

3. In a velocipede saddle having a reach member and a seat member, the forward portion of said members being joined by a tongue and slot connection forming a hinge between those portions, a pair of compressible springs between the rear portions of said members, said springs being riveted to said reach member and removably associated with said seat member.

4. In a spring saddle, segmental groove means for maintaining the springs in operable association with the body of the saddle, said means comprising a segmental grooved member secured to the body of the saddle, a portion of said segmental groove being cut away to allow the coil of a spring to be inserted therein, and having a raised portion near the cut away aperture to prevent removal of said spring.

5. A velocipede saddle comprising a stamping, a reach member having triangular suspension points, the front point being hingedly secured to the front under surface of the stamping, a compression spring secured to each rear suspension point, a member having a segmental groove and a perforation therein and adapted to receive the upper end of each spring secured to the rear under surface of the stamping, and a downwardly extending post secured to the central portion of the reach member.

6. In a spring saddle, means for maintaining springs in operable association with the body of the sadddle, said means comprising members coacting with adjacent portions of the saddle to define recesses, a portion of each recess having its open end spaced from the open end of the other recess, means positioned between the open ends of the recesses to maintain the springs within said recesses, a tongue secured to the body member, a reach member having a slot for pivotal engagement with the tongue, and springs riveted to the reach member whereby pivotal movement of the reach member will allow the springs to be positioned closely adjacent the recesses to permit the adjacent ends thereof to be readily inserted therein.

7. In a spring saddle, means positioned on each side of the longitudinal medial axis of the body and spaced therefrom for maintaining springs in operable association with the body of the saddle, said means comprising members coacting with adjacent portions of the saddle to define recesses, a portion of each recess having its open end spaced from the open end of the other recess, means positioned between the open ends of the recesses to secure the springs within said recesses, a tongue permanently secured to the central forward portion of the body member and at right angles to the spring securing means, a reach member having a slot for engagement with the tongue, said tongue and slot forming a substantially pivotal connection, and springs riveted to the reach member whereby pivotal movement of the reach member will allow the springs to be positioned closely adjacent the recesses to permit the adjacent ends thereof to be readily inserted therein.

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