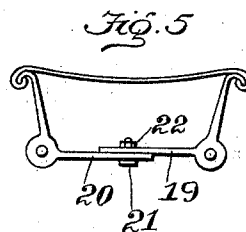
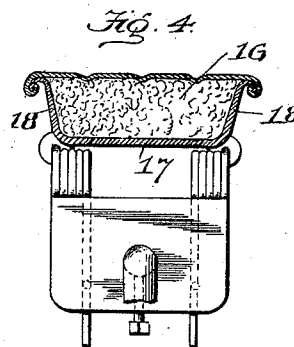
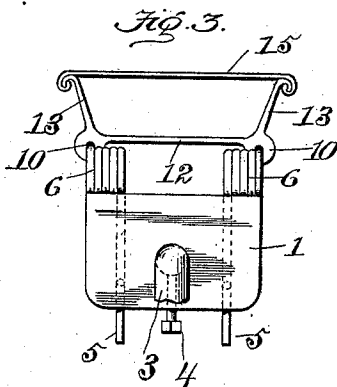
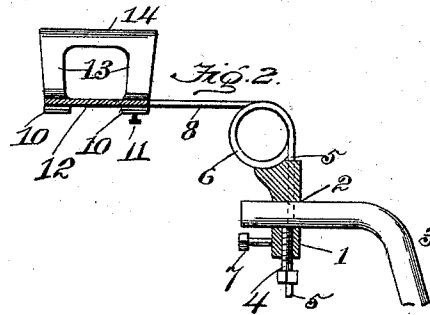
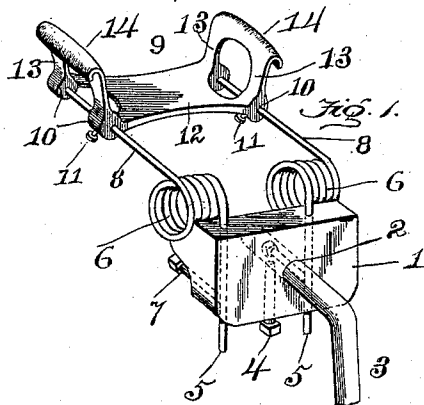


(No Model.)

J. HARTMAN.
BICYCLE SADDLE.

No. 585,571.

Patented June 29, 1897.



Witnesses:
Wm. C. Ashlee
John Stump

Inventor:
John Hartman
By- C. J. Peep
Att'y

UNITED STATES PATENT OFFICE.

JOHN HARTMAN, OF PHILADELPHIA, PENNSYLVANIA.

BICYCLE-SADDLE.

SPECIFICATION forming part of Letters Patent No. 585,571, dated June 29, 1897.

Application filed May 23, 1896. Serial No. 592,764. (No model.)

To all whom it may concern:

Be it known that I, JOHN HARTMAN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Bicycle-Saddles, of which the following is a specification.

This invention relates to bicycle-saddles; and the object of the invention is to provide a saddle for bicycles, tricycles, and like machines of novel and improved construction so that the horn or pommel may be entirely avoided or dispensed with.

A further object of the invention is to provide a saddle-frame of such peculiar shape that the leather, canvas, or other material covering the top of the frame and forming the seat is stretched and held taut transversely.

A further object of the invention is to provide right and left coiled springs having one of their ends adjustable vertically without moving the saddle-post of the machine and the other ends adapted to have the saddle-frame longitudinally adjustable thereon.

Other objects and advantages accruing from the special construction and arrangements will be hereinafter fully described, and revealed in the appended claims.

The invention consists in the novel construction and arrangement of parts.

In the accompanying drawings, forming part of this application, Figure 1 is a perspective view of my invention without a saddle-cover applied to a saddle-post, the latter being partly broken away. Fig. 2 is a central longitudinal section of Fig. 1. Fig. 3 is a front view with the saddle-frame covered. Fig. 4 is a cross-section of a modification. Fig. 5 is a further modification.

The same numeral references denote the same parts throughout the several figures of the drawings.

My invention is adaptable to any and all kinds of saddle-posts, and by its use it is not necessary to change the position of the post to raise and lower the saddle. Therefore the post may be permanently fixed to its sleeve or formed integral with it.

In carrying my invention into effect a block 1 has a central aperture or hole 2 to fit upon a saddle-post 3, and the block is fixed to the post by a set-bolt 4, which need not be dis-

turbed unless it is desired to remove the block from the post.

Extending through the block 1, parallel with each other upon each side of the aperture 2, are vertical arms 5 of two wires having a coil 6 above the block, the coils being right and left. The arms are held in vertical adjustment in the block by set-screws 7. The other end of the wires form suspending arms 8 for the saddle-frame 9 and stand a sufficient distance above the coils to allow the saddle-frame to be pushed forward the whole length of the said arms. The arms 8 diverge upwardly and outwardly from the top of the coils and pass through eyes 10 at the under side corners of the saddle-frame 9, and the latter is held on the side arms in horizontal adjustable position by set-screws 11.

The saddle-frame 9 comprises, in addition to the eyes 10, a base-plate 12, which reaches from the eyes on the one side to those on the other side, upward and outward projections 13 from the eyes, the projections on each side being connected by a curved rim 14, semicircular in cross-section or end elevation.

The special configuration of the frame 9, as above described, conforms to the shape of a rider, and after the saddle-seat 15 has been stretched across over the curved rims and secured in the semicircular portion of the rims the cover or seat is thus fixed securely to the frame and is taut from one rim to the other, and the frame may be moved back and forth on the arms 8, as desired, without the least slack to the cover.

Referring to Fig. 4, showing a modification, a cushion 16 is secured upon a plate 17 between side projections 18, and the saddle-cover hereinbefore referred to is dispensed with.

In the modification shown in Fig. 5 there is represented a frame in two parts, having overlapping plates 19 and 20, provided with slots engaged by a suitable bolt 21 and nut 22. This may be desirable when a wider or narrower frame is required, the same being produced by sliding said plates and securing them by the bolt and nut or other equivalent means.

It will be observed that in the construction of my saddle-frame horns or pommels are entirely avoided, thus preventing the well-known injuries to riders of both sexes. The

saddle being supported only by the extending arms of the spring-wire, the seat is rendered more elastic and carries the weight of the rider away from the wheel-tires, thus making
5 the rider less sensitive to sudden jars from the machine and lengthening the life of the tires to a great extent.

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

1. The saddle-frame having side eyes connected together transversely and projections from the eyes terminating in a rim adapted to receive a suitable saddle-seat, in combination with spring-arms, and means for connecting the arms to a saddle-post, as set forth.
15

2. The combination with a block secured to a bicycle-post, of the arms vertically ad-

justable in the block, the spring-coils, the arms diverging from the coils, and a saddle- 20 frame having projections terminating in rims to receive a suitable seat, a plate connecting the projections crosswise, and eyes at the intersection of the plate and projections, substantially as set forth.

3. A pommelless saddle-frame, comprising a base-plate, upward projections from the plate, curved rims connecting the projections and eyes at the intersection of the plate and projections, substantially as set forth. 25 30

In witness whereof I hereunto set my hand in the presence of two witnesses.

JOHN HARTMAN.

Witnesses:

JOS. W. MILLS,

W. S. FURST.