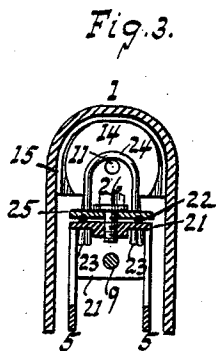
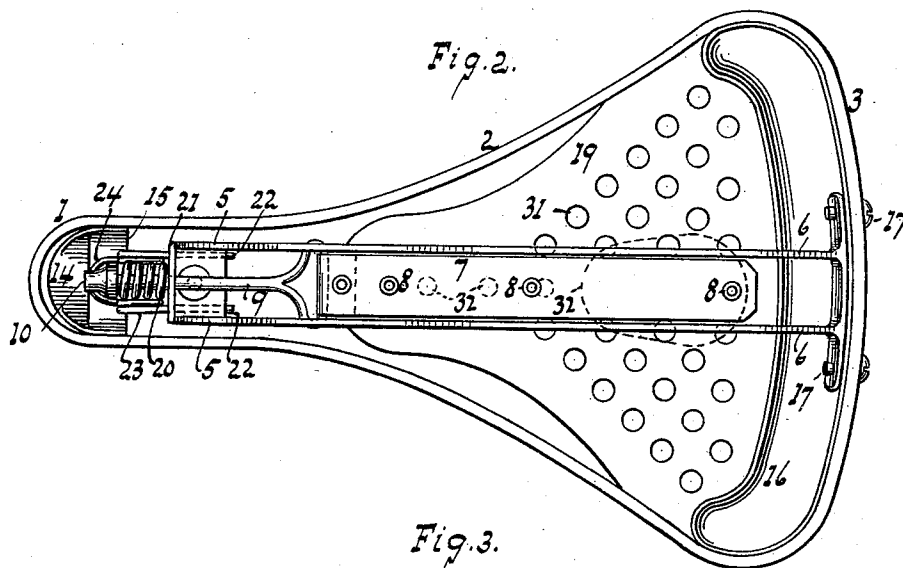
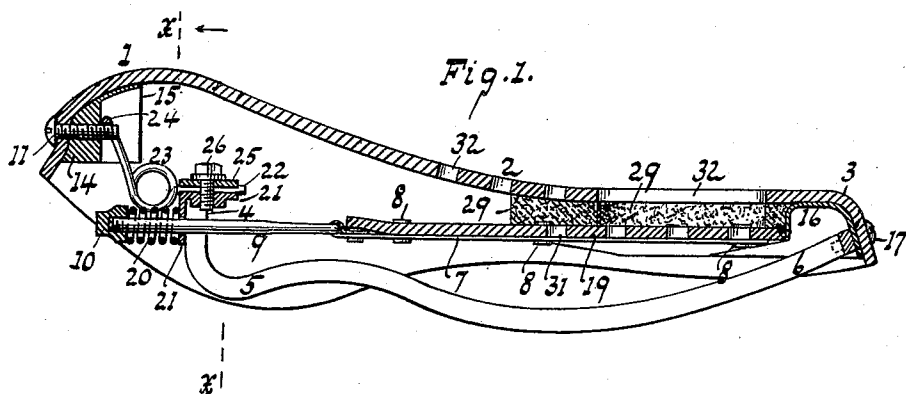


(No Model.)

H. BRIGGS.  
SADDLE.

No. 578,204.

Patented Mar. 2, 1897.



WITNESSES:

*William Miller*

*Chas. E. Fournier*

INVENTOR  
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BY

*Hauff + Hauff*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

HENRY BRIGGS, OF HASBROUCK HEIGHTS, NEW JERSEY.

## SADDLE.

SPECIFICATION forming part of Letters Patent No. 578,204, dated March 2, 1897.

Application filed April 24, 1896. Serial No. 588,933. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY BRIGGS, a citizen of the United States, residing at Hasbrouck Heights, in the county of Bergen and State of New Jersey, have invented new and useful Improvements in Saddles, of which the following is a specification.

The object of this invention is to provide a saddle which while offering a firm or secure seat will be soft or yielding at the pommel or portion in proximity to sensitive parts; and the invention resides in the novel features of construction set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a sectional elevation of a saddle. Fig. 2 is an inverted plan view of a saddle. Fig. 3 is a section along *xx*, Fig. 1.

The saddle comprises a pommel and a cantle, the portion 1 2 of the saddle being conveniently designated the "pommel" portion or "front" portion, and the portion 2 3 being conveniently designated the "cantle" portion or "rear" portion. A support 4 5 6 is extended along the saddle 1 2 3. The horizontally-arranged portion 6 supports the cantle or seat portion 2 3, and the vertically-arranged portion 4 supports the pommel or horn. The support 4 5 6 may be made elastic or springy, or rigid, as seen fit. When made rigid, the support can be also made light by employing one or preferably a pair of metallic or steel strips, as seen in Figs. 2 and 3, said strips having their broad faces lying in vertical planes, each strip portion 5 6 thus having a narrow face or edge facing toward the saddle.

The saddle is provided with a connection or tension comprising a seat portion 19 and a strap or connection 7, made to engage or rest against a spring 20, braced against the support along the portion 4 5 or against a cross-head or plate 21, seated against the support portions 4 5.

The tension 7, as here shown, is composed of a longitudinally-arranged strip of metal or other suitable material riveted or secured, as at 8, to the seat portion 19 and riveted or otherwise secured at its front end to a stem or screw 9, made to extend through an eye in the plate or brace 21 and provided with a nut or nuts 10, between which and the plate 21 is

braced or compressed the spring 20. This nut 10 can be suitably tightened against spring 20.

The support portion 4 5 does not touch or directly engage the pommel, but is yieldingly connected thereto. A spring is suitably made from spring-wire or material shaped to form the arms 22, the coils 23, and the bow part 24. The arms 22 are clamped or secured between the plates 21 and 25, and the bow 24 passes over a screw or stem 11, secured to or passed through the pommel or through a block or reinforcement 14 at the pommel. An inlay 15 at the pommel, of which block 14 may form a part, secures strength. This spring 22 23 24 secures a yielding or spring connection or support between the support portion 4 5 and the pommel.

The cantle and support portions 6 are shown rigidly connected, a reinforcement or inlay 16 at the cantle being secured by screw or fastening 17 to said support portions. These inlays or reinforcements 15 and 16 are advantageously made of metal or strong material, the saddle 1 2 3 and seat portion 19 being of softer material, as leather.

The rear of seat portion 19 can be secured to inlay 16 or to the rear of upper seat portion 2 3.

The spring 20 is of such strength as to secure a desirably rigid or firm seat portion, while the pommel-spring 22 23 24 is made weaker or so adjusted as to leave the pommel portion 1 2 soft or depressible to avoid distress or painful pressure at the sensitive organs. By loosening the screw or fastening 26 and plate 25 the pommel-spring is free to be adjusted as required. The plate 21 is shown in form of an angle-plate sitting against the front edge, as well as on top of the support portion 4 5, so as to afford a brace for the spring 20, as also a seat for the pommel-spring arms 22.

It will be noticed that the seat portion of the saddle 1 2 3 is superposed on the tension seat portion 19, so as to form a cover for said portion 19. This under piece 19 can be placed close to the seat portion 2 3, so as to dispense with padding, or, if seen fit, a space for suitable padding 29 can be left. By making the under or tension piece 19 perforated or of open-work, as indicated at 31, lightness and

ventilation are secured. The saddle may also have perforations, as shown at 32.

The saddle can be used on bicycles or velocipedes or elsewhere, as seen fit, and the invention is not limited to the construction shown, as the latter can be changed without departing from said invention, the object of which is to secure independent spring or yielding supports for the pommel and seat portion, so that the seat portion can be made sufficiently firm, while the pommel portion is comparatively soft or yielding, the seat portion 2 3 being supported on the tightly drawn or stretched underlying portion 19, while the pommel or the portion between points 1 and 2 is stretched by the pommel-spring 22 23 24, which, as already noted, is suitably soft or flexible or yielding.

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

1. A saddle comprising two superposed seat-pieces having a common attachment for their

rear portions, the upper piece being extended to form a pommel, and having its seat portion made to form a cover for the underlying piece, and independent spring-supports for the front portions of said pieces substantially as described. 25

2. The combination with a saddle and a support arranged under the saddle and extending toward the pommel, of a tension device located beneath the saddle and connected with the latter, said tension device and saddle having independent spring or yielding connections with the end of the support which extends toward the pommel substantially as described. 30 35

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

HENRY BRIGGS.

Witnesses:

WM. C. HAUFF,

E. F. KASTENHUBER.