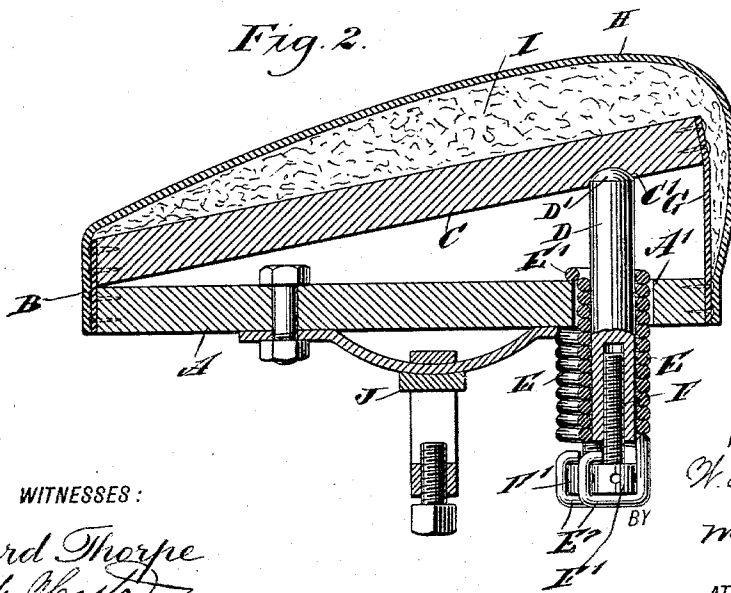
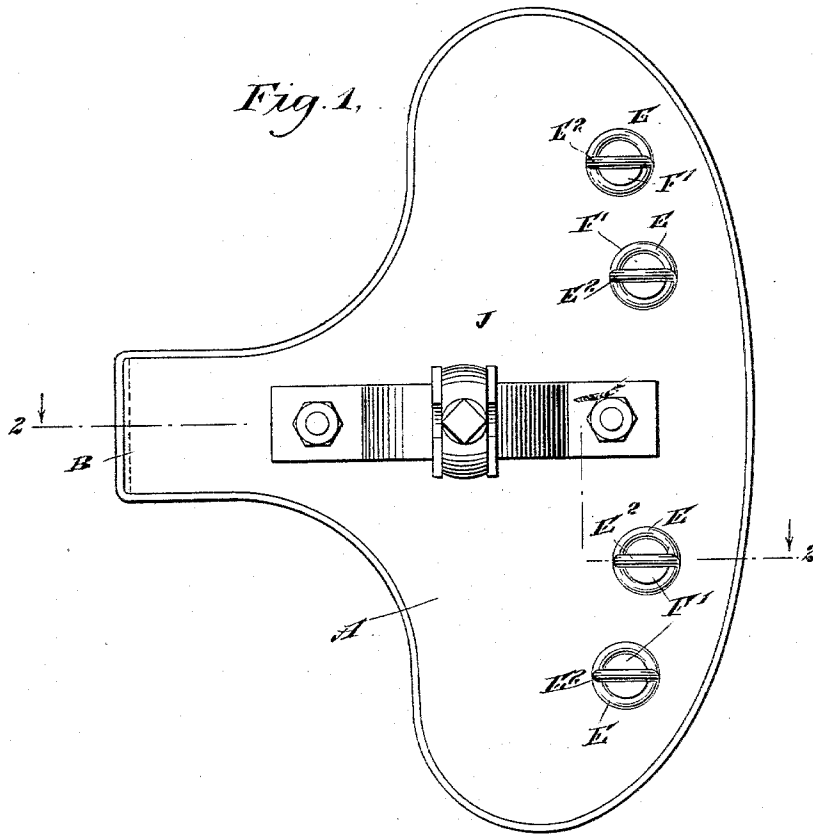


(No Model.)

W. H. KELLY.
BICYCLE SADDLE.

No. 593,103.

Patented Nov. 2, 1897.



WITNESSES:

Edward Thorpe
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UNITED STATES PATENT OFFICE.

WILLIAM H. KELLY, OF NEW YORK, N. Y.

BICYCLE-SADDLE.

SPECIFICATION forming part of Letters Patent No. 593,103, dated November 2, 1897.

Application filed October 22, 1896. Serial No. 609,678. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. KELLY, of New York city, in the county and State of New York, have invented a new and Improved Bicycle-Saddle, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved bicycle-saddle which is simple and durable in construction and arranged to readily yield, according to the movement of the rider's legs, to insure easy riding.

The invention consists of certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is an inverted plan view of the improvement, and Fig. 2 is a sectional side elevation of the same on the line 2 2 of Fig. 1.

The improved bicycle-saddle is provided with a base A, the front or pommel end of which is connected by a hinge B with the pommel end of a top plate C, extending rearwardly and upwardly, as plainly indicated in Fig. 2, the said base and top plate being alike in contour, with the top plate mounted to swing toward and from the base. The cantle end of the top plate C is formed at its under side with sockets C', engaged by the upper rounded ends D' of pins D, extending through openings A' in the base A.

On each of the pins D is coiled a spring E, extending through the opening A', with its upper end E' resting on the top of the base A, as plainly indicated in Fig. 2. The lower end E² of the spring is formed into a hook or loop engaging the head F' of a screw-rod F, screwing in the lower threaded end of the pin D. It will be seen that by the arrangement described the spring E, by pressing on the head F', tends to push the pin D upward, so as to hold the top plate C in an uppermost position, the upward swinging movement of the said top plate being limited by a band G, attached to the edges of the pommel ends of the base A and top plate C. It will be seen that by adjusting the screw F in the pin D

the tension of the corresponding spring E can be regulated so as to press the under side of the top plate with more or less force, according to the weight of the rider using the saddle.

A cover H is attached to the edge of the base A and extends over the band G and the top plate C, as well as over the hinge B, the space between the cover and the top plate C and band G being filled with hair or other suitable upholstering material. On the under side of the base A is arranged a suitable fastening device J for attaching the saddle to the saddle-post of the bicycle.

It is evident that by the arrangement described the top of the saddle is normally held in an inclined position relatively to the base A, and the greatest movement of the hinged saddle-top is at the cantle end, and the movement decreases proportionately toward the pommel, at which latter point the movement is very little, and consequently the saddle will insure an easy riding, as no chafing of the legs whatever is had and a large firm seat is obtained for the rider at the cantle end of the saddle. The sides of the saddle leading to the pommel are sufficiently cut out to insure a free up-and-down movement of the rider's legs.

The several pins D serve as guides for the up-and-down movement of the top plate C, it being understood that a slight lateral movement of the top plate C is possible when using a hinge B of leather or other flexible material.

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

1. A saddle having a body-plate, a top plate hinged thereto at the forward portion of the saddle, a pin engaging the under side of the top plate and extending through an opening in the body-plate, a retractile coil-spring passing through the opening and connected with the upper side of the body-plate, the spring surrounding the lower portion of the pin and being connected thereto, and means for limiting the upward movement of the top plate, substantially as described.

2. A bicycle-saddle having a body-plate, a top plate hinged to the body-plate at the front portion thereof, a band secured to the edges

of the two plates and limiting the upward movement of the top plate, a pin passing through the body-plate and engaging the under side of the top plate, and a retractile coil-spring secured to the body-plate and surrounding the lower portion of the pin and pressing the pin upward whereby to yield-

ingly support the top plate, substantially as described.

WILLIAM H. KELLY.

Witnesses:

THEO. G. HOSTER,
JNO. M. RITTER.