

J. H. GIBSON.

Velocipedes.

No. 151,660.

Patented June 2, 1874.

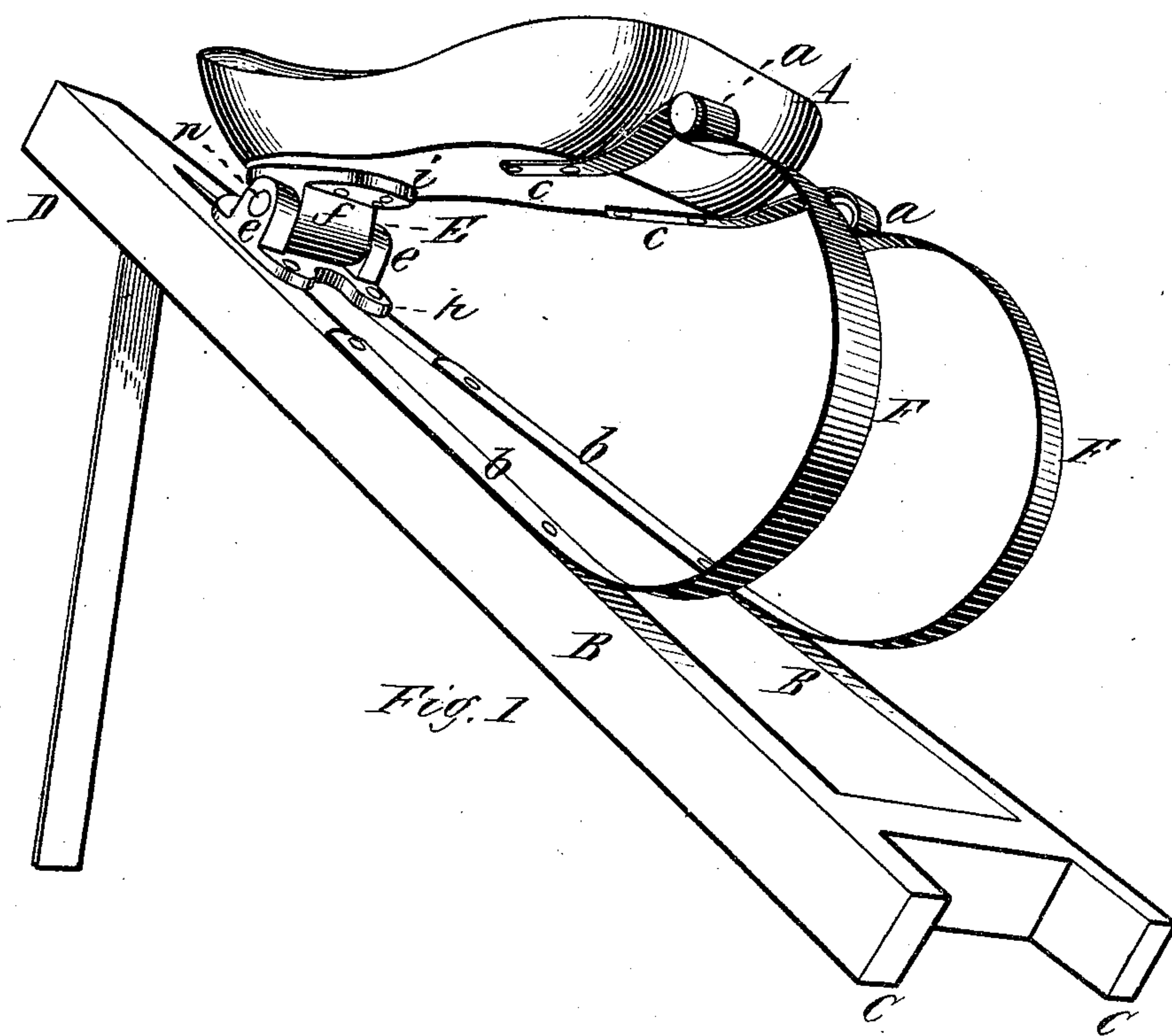


Fig. 1

Witnesses,

J. R. Wall
C. E. Duckland.

Inventor,
Jacob H. Gibson.
By J. A. Curtis,
his Atty.

UNITED STATES PATENT OFFICE.

JACOB H. GIBSON, OF SPRINGFIELD, MASSACHUSETTS, ASSIGNOR TO BENJAMIN B. PECK AND HENRY K. BAKER, OF SAME PLACE.

IMPROVEMENT IN VELOCIPEDES.

Specification forming part of Letters Patent No. 151,660, dated June 2, 1874; application filed March 3, 1874.

To all whom it may concern:

Be it known that I, JACOB H. GIBSON, of Springfield, in the State of Massachusetts, have invented a new and useful Improvement in Velocipedes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 represents the reach of a velocipede having my invention applied thereto.

My invention relates to the attachment of the seat to the reach of a velocipede, the invention being more particularly applicable to velocipedes having three wheels or more, and used by children; and it consists of a hinge secured transversely to the front part of the seat and to the reach, in connection with two springs, which are secured to the rear part of the seat and to the reach, so that the rear part of the seat may move freely in a vertical direction, but not upon its hinge laterally or in a side direction, the object of the invention being to allow the use of a spring-seat, which shall not tilt to one side when the rider leans over to throw the weight of his body to one side or the other in turning a short curve.

In the drawings, B represents the reach of a three-wheel velocipede, and A the seat, which is secured to the reach at the front end by means of a hinge, E, which consists of a piece, *h*, provided with two ears, *e e*, and which piece is secured firmly to the reach, and a piece, *f*, which is made to fit properly between the ears *e*, and which is secured to the bottom of the seat at the front end by a flange, *i*, and a hole is made through the ears *e* and the piece *f*, through or into which is inserted a pin, *n*, which serves as a pivot, upon which the seat swings in a vertical direction. Two springs, F, are secured to the reach beneath the seat, and extend upward and forward, and are secured to the bottom of the seat, as shown at *c*, and these springs may be pro-

vided with hinges *a a* to give greater elasticity or freedom of action, if desirable.

It will be seen that, when a velocipede constructed in the manner above described is in use, the rider is provided with a seat which is easy and comfortable, and which is perfectly free to move in a vertical direction, according to the elasticity of the springs F; but when he leans over to throw the weight of his body to one side or to the other in turning a short curve, to prevent the velocipede from turning over, the seat is prevented from being tilted over or down at one side from the weight of the body by the pivot or hinge E, which is placed transversely to the reach and seat, which is not the case with the ordinary velocipedes heretofore made, having spring-seats, the latter usually being forced down by the weight of the body when thrown to one side or the other, and throwing off the rider.

I am aware that a single spring has heretofore been used, as in the ordinary two-wheeled velocipede, but in that case the whole carriage is thrown over by the weight of the body in turning a curve; but in a three-wheeled velocipede the carriage cannot be thrown over in the least, as all the wheels have a bearing upon the ground. I am also aware that a braced seat, rendered somewhat elastic, has also been used, as shown in the device for which Letters Patent were granted to E. N. Huntsman, February 2, 1869, No. 86,545; and I do not claim the same, nor any part thereof, neither do I claim the spring and seat, as ordinarily applied to a two-wheeled velocipede; but

Having described my invention, what I do claim as new is—

The combination of the hinge E, seat A, and springs F F with the reach of a three-wheeled velocipede, substantially as and for the purpose described.

Witnesses: JACOB H. GIBSON.

F. A. CURTIS,

C. E. BUCKLAND.