(No Model.)

H. McALLASTER STILWELL.

CLIP FOR BICYCLE SADDLES.

No. 301,934. Patented July 15, 1884.

Fig. 1.

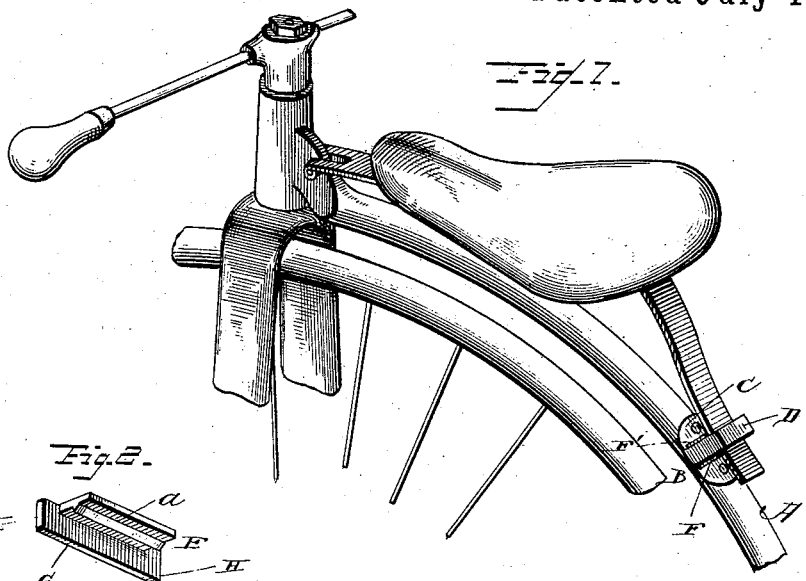
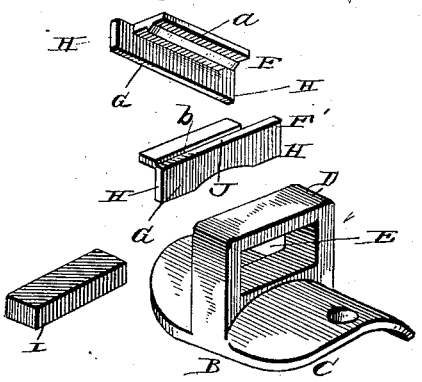


Fig. 2.



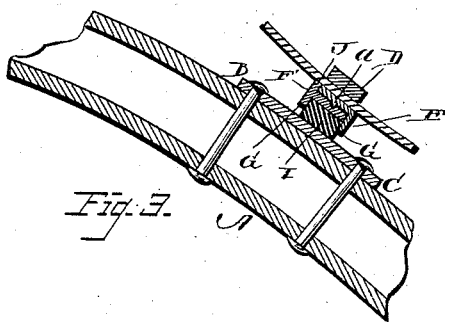
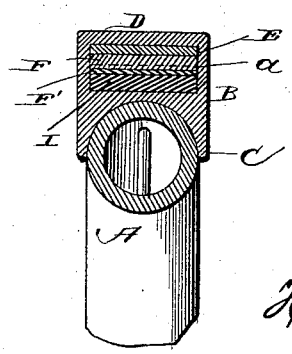


Fig. 3.

Fig. 4.



WITNESSES

F. L. Ouraud.

E. G. Siggers.

Henry M. Stilwell

INVENTOR

by C. A. Snow & Co

Attorneys

UNITED STATES PATENT OFFICE.

HENRY McALLASTER STILWELL, OF ROCHESTER, NEW YORK, ASSIGNOR TO THE POPE MANUFACTURING COMPANY, OF HARTFORD, CONNECTICUT.

CLIP FOR BICYCLE-SADDLES.

SPECIFICATION forming part of Letters Patent No. 301,934, dated July 15, 1884.

Application filed March 28, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY McA. STILWELL, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented a new and useful Saddle-Clip for Bicycles, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to clips adapted to be applied to bicycles for fastening the saddle-spring to the backbone; and it has for its object to provide a device of this character which will be simple, durable, and inexpensive in its construction, and which will efficiently hold the saddle-spring tight, so as to keep it from rattling, and yet permitting said spring to slide freely with the motion caused by the rider.

With this object in view the said invention consists in certain details of construction and combination of parts, as hereinafter set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a bicycle, showing my improvement applied thereto. Fig. 2 is a detail perspective view of the clip, the parts being detached. Fig. 3 is a longitudinal sectional view of Fig. 1. Fig. 4 is a transverse sectional view of the same.

Like letters refer to corresponding parts in the several figures.

Referring to the drawings, A designates the backbone of a bicycle to which my improved clip is attached.

B designates my improved clip, consisting of a base, C, concaved or otherwise shaped to fit around the surface of the backbone, a rectangular frame, D, projecting upward from said base, and arranged transversely across the same. The base C is provided with two or more holes to receive screws in attaching the clip to the backbone. The rectangular frame D is provided with an oblong opening, E, two sectional plates, F F′, fitting in said opening, one of said plates, F, being provided with a feather, rib, or longitudinal projection, *a*, arranged to fit in a groove, *b*, in the adjacent face of the other plate, F′. The said plates F F′ fit face to face against each other within the opening E, and are provided with downwardly-extending side flanges G G and outwardly-extending end flanges, H H, the end flanges fitting around the upwardly-extending portion of the frame D, and the side flanges permitting the reception of a rubber or spring cushion, I, which rests on the bottom of the frame. The plate F′ is provided with an upwardly-extending side flange, J, and since the plate F is fitted over the face of the plate F′ said plate F will come flush with the top of the flange J, and thus there will be no danger of the plates working out of place. It will be seen that the spring or rubber cushion I is interposed between the plates F F′ and the bottom of the frame, and fits within the space between the side flanges G G, so that said cushion will be retained in place and serve to prevent the rattling of the saddle-spring.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the annexed drawings.

The saddle M is provided with the usual spring, L, the forward end of which is secured in any desirable manner, the rear end being inserted through the opening E of the frame D above the plates F F′. It will be seen that the saddle-spring will be held securely in place, as the tension of the spring or rubber cushion I will serve to press the plates in an upward direction, so as to bind the spring against the top of the frame D. It will also be seen that the rubber or spring cushion will readily yield, and thus the spring-saddle will be allowed to have a free motion upward and downward to accommodate the motions of the rider.

It will be apparent that my improved clip will hold the bicycle-saddle tight, so as to prevent rattling, and at the same time allowing the saddle to have a free motion. There will be no danger of the spring or rubber cushion being accidentally detached, as the plates bear directly upon the cushion and hold it from displacement. The plates work freely up and down in the opening of the rectangular frame, the feathered connection causing the plates to work together, and preventing the same from accidentally slipping out through the opening.

My improved clip is simple, durable, and inexpensive in construction, and efficient in use, and may be readily applied to any bicycle employing the spring-saddle.

Having described my invention, I claim—

1. In a saddle-clip for bicycles, the base-plate provided with an upwardly-extending open frame, the saddle-spring passing through the opening of said frame, a spring or rubber cushion, and a plate or plates interposed between the cushion and the saddle-spring, for the purpose set forth.

2. The herein-described improved saddle-clip, comprising the frame projecting from a suitable base, a pair of plates fitted together and working in said frame, and a spring or rubber cushion interposed beneath the plates, for the purpose set forth.

3. The herein-described improved saddle-spring clip for bicycles, comprising the frame secured in place in any suitable manner, a cushion arranged at the lower end of the frame, and a plate or plates arranged in the frame above the cushion, as set forth.

4. The herein-described improved saddle-spring clip, comprising the cushion and a plate or plates, arranged and operating so that the spring will be held securely in place and prevented from rattling, as set forth.

5. The herein-described saddle-spring clip, comprising the frame projecting from a suitable base, an opening formed in the frame for the passage of the saddle-spring, a pair of plates connected together and working in the opening of said frame, and a spring or rubber cushion arranged beneath the plates, for the purpose set forth.

6. The herein-described improved saddle-spring clip, comprising the frame projecting from a suitable base secured to the backbone of a bicycle, an opening formed in said frame for the passage of the saddle-spring, a pair of plates placed face to face against each other, one of said plates being provided with a feather, rib, or projection fitting in a groove of the other, and a spring or rubber cushion arranged beneath the plates, for the purpose set forth.

7. The herein-described improved saddle-spring clip, comprising the frame projecting from a suitable base secured to the backbone of a bicycle, an opening formed in said frame for the passage of the saddle-spring, a pair of plates placed face to face against each other, one of said plates being provided with a feather or projection to fit in a groove of the other, side and end flanges on said plates, the end flanges fitting around the frame, and a spring or rubber cushion held between the side flanges, for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HENRY MCALLASTER STILWELL.

Witnesses:

ALVIN BLOCK,

CHAS. B. REBASZ.