

(No Model.)

G. GILBERT & E. MUSHING.
REVERSIBLE SADDLE POST FOR BICYCLES.

No. 577,651.

Patented Feb. 23, 1897.

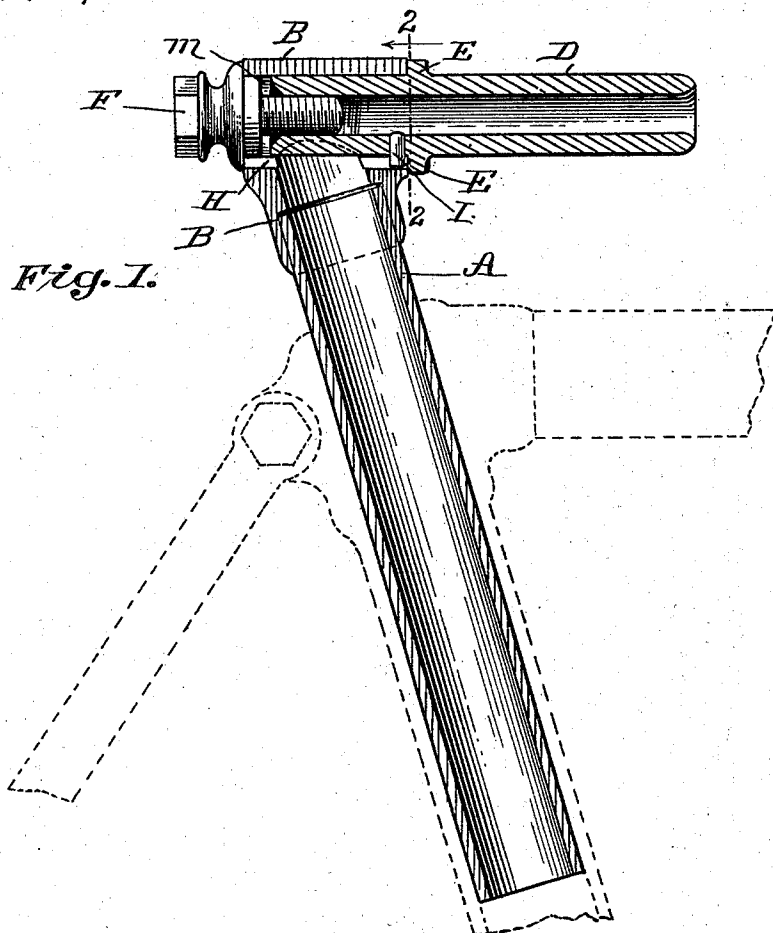
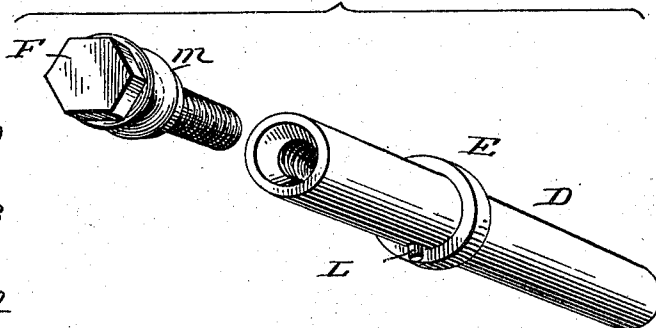
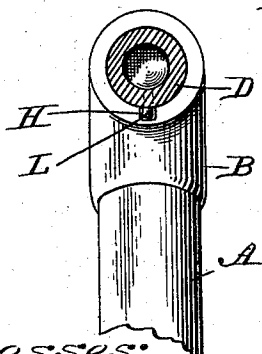


Fig. 1.

Fig. 3.

Fig. 2.



Witnesses:

J. D. Garfield
Wm. H. Chapin

Inventors,
George Gilbert, and
Edward Mushing
by *Chapin & Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE GILBERT AND EDWARD MUSHING, OF COVENTRY, ENGLAND.

REVERSIBLE SADDLE-POST FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 577,651, dated February 23, 1897.

Application filed February 7, 1896. Serial No. 578,348. (No model.) Patented in England December 14, 1895, No. 21,270, and in France December 19, 1895, No. 239,866.

To all whom it may concern:

Be it known that we, GEORGE GILBERT and EDWARD MUSHING, subjects of the Queen of Great Britain, residing at Coventry, in the county of Warwick, England, have invented new and useful Improvements in Reversible Saddle-Posts for Bicycles, of which the following is a specification, and for which Letters Patent were granted in England, No. 21,270, dated December 14, 1895, and in France, No. 239,866, dated December 19, 1895.

This invention relates to bicycles, and particularly to the construction of saddle-posts therefor, and has for its object the particular construction of said post, whereby the saddle has a greater range of adjustment forward and backward thereon than is possible on the ordinary saddle-post; and the invention consists of such construction of the post as permits the clip-bar to be reversed therein, as fully described and claimed hereinafter.

In the drawings forming part of this specification, Figure 1 is a sectional elevation of a saddle-post, a portion of the frame of the bicycle being shown in dotted lines. Fig. 2 is a view of the head of the saddle-post, showing the horizontal arm thereof in section, taken on line 2 2, Fig. 1. Fig. 3 is a perspective view of the adjustable horizontal arm and its retaining-bolt.

In the drawings, in which like letters refer to like parts in the different figures, A is the tubular saddle-post of a bicycle having a head B thereon, which is secured to said post A by brazing or otherwise, the said head and post being of steel. The head B is fixed to said saddle-post at such an angle as will bring the top of said head into substantially a horizontal position. The said head B is bored out to receive the end of the clip-bar D, which is provided with a collar E, preferably integral therewith, which collar abuts against the end of the head B, as shown in Fig. 1 of the drawings. The end of the clip-bar D which enters the head B is threaded internally to receive the threaded end of the screw F, and the said end within the head is made somewhat shorter than the hole through the head in order that the shoulder *m* on said screw may come to a bearing against the end of the

head opposite the collar E on the clip-bar to the end that said bar D may be tightly held between the collar E thereon and the shoulder *m* on the screw F when the latter is screwed into place. At some point within the hole through the head which receives the end of the clip-rod D is cut a groove H in line with the axis of said bar D, and at some point on the end of the rod D which enters the head of the post A a pin L is provided, which engages with said slot and prevents the bar D from turning in the head B.

The construction herein shown and described permits the clip-bar D, to which the saddle is attached, to be inserted in the head B of the post A from either side of said head, thus rendering it possible to adjust the saddle to suit the fancy of the rider.

It is obvious that instead of the straight clip-bar in the head B there may be substituted therefor the well-known gooseneck-spring without departing from the spirit of this invention.

Having thus described our invention, what we claim, and desire to secure by Letters Patent of the United States, is—

1. A saddle-post, having a tubular head, placed at an angle thereto, and a reversible clip-bar having a hollow screw-threaded end, and a stop formed thereon, combined with a headed screw which enters the hollow end of the clip-bar, and abutting against the opposite end of the tubular head from the stop, clamps the clip-bar rigidly in position, substantially as shown.

2. The saddle-post, provided with a tubular head, extending at an angle thereto, and a reversible clip-bar having a hollow screw-threaded end to fit within the head, and a stop to abut against one end of the tubular head, combined with a headed screw, which has one end to enter the tubular head and its end to clamp against the opposite end of the head from the stop, and means for preventing the clip-bar from turning in the head, substantially as described.

3. The saddle-post A, provided with a tubular head B, provided with a longitudinal internal groove H; and the reversible clip-bar provided with a stop E to abut against

one end of the head, and a pin L to fit in said groove H, and having a hollow screw-threaded end which fits in but which is shorter than the head, combined with a screw which fits
5 in the hollow end of the clip-bar and is provided with a head which clamps against the opposite end of the head from the stop, where-

by the clip-bar is locked rigidly in position, substantially as set forth.

GEORGE GILBERT.
EDWARD MUSHING.

Witnesses:

WALTER W. TOWNSEND,
ARTHUR SMITH.