(No Model.)

W. E. SEFTON.

BICYCLE HANDLE.

No. 540,879 Patented June 11, 1895.

Fig. 1

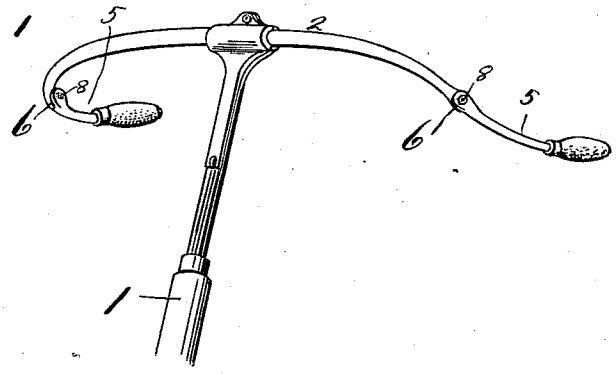


Fig. 2

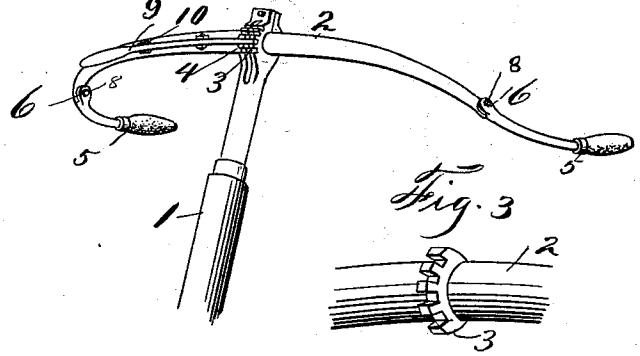
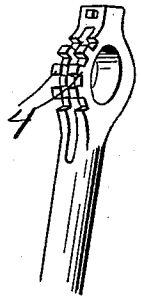


Fig. 3

Fig. 6



Figs. 4

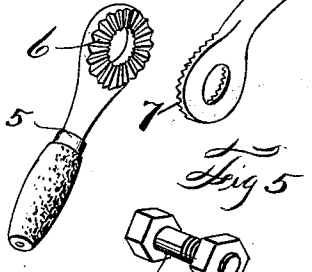


Fig 5

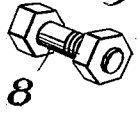


Fig 7

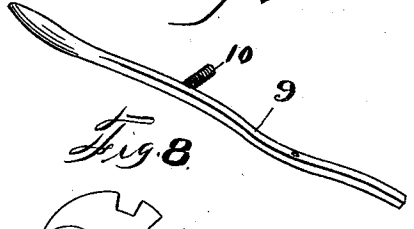
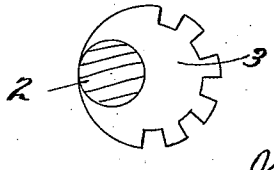


Fig. 8



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UNITED STATES PATENT OFFICE.

WILLIAM E. SEFTON, OF CANTON, OHIO.

BICYCLE-HANDLE.

SPECIFICATION forming part of Letters Patent No. 540,879, dated June 11, 1895.

Application filed October 29, 1894. Serial No. 527,173. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. SEFTON, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Bicycle-Handles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the figures of reference marked thereon, in which—

Figure 1 is a view showing the handle properly located with reference to the standard. Fig. 2 is a view showing the handle in a different position and illustrating the catch-bar for holding the handle at the desired point of adjustment. Fig. 3 is a view showing a portion of the handle-bar and illustrating the toothed segment. Fig. 4 represents views showing the handle-sections parted. Fig. 5 is a detached view of the bolt for attaching the handle-sections together. Fig. 6 is a view showing the top or upper end of the handle-standard. Fig. 7 is a detached view of the handle-retaining catch-bar. Fig. 8 is a view showing the toothed segment properly located upon the handle-bar.

The present invention has relation to bicycle handles, and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

Similar numbers of reference indicate corresponding parts in all of the figures of the drawings.

In the accompanying drawings, 1 represents the standard which is constructed in the ordinary manner, reference being had to properly atttaching the different parts thereto.

2 represents the center section of the handle bar, which is provided with the toothed segment 3, which toothed segment is located and arranged substantially as shown in Figs. 2 and 3, said segment being securely attached to the handle bar 2, in any convenient and well known manner.

The top or upper portion of the standard 1, is provided with the toothed flanges 4, which toothed flanges are located substantially as shown in Figs. 2 and 6, said flanges being located a short distance apart so as to allow the segment 3 to be placed between the flanges 4. The teeth formed upon the flanges 4, and the segment 3, should correspond in size and form for the purpose hereinafter described.

To the ends of the center section 2, are adjustably attached the handles 5, which handles are substantially of the form shown, and as shown, they are provided with serrated ends 6, which serrated ends or faces fit upon corresponding serrated ends or faces 7, formed upon the ends of the section 2, said handles 5 being held at the desired point of adjustment by means of suitable clamping bolts 8 or their equivalents.

It will be understood that by my peculiar arrangement I am enabled to provide two distinct adjustments for the handle proper, one of said adjustments being produced by setting the handle sections 5 at any desired angle to the center section 2, and the other adjustment being produced by releasing the catch bar 9, from the teeth formed in the segment 3, and flanges 4, at which time the center section 2 is free to be oscillated and set at any desired point of adjustment, and securely held by means of the catch bar 9 engaging with the proper tooth in the segment 3, or rather said catch-bar engaging the proper notch between the teeth. For the purpose of securely holding the handle proper at the desired point of adjustment, the spring 10 is provided, and is located substantially as shown in Fig. 2. Said spring as shown is a helical spring, but it will be understood that a flat spring will answer the same purpose, and may take the place of the helical spring shown.

When it is desired to provide adjustment only for the handles 5, the center section, 2, may be rigidly attached to the standard 1, as shown in Fig. 1.

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

1. The combination of the handle bar section 2, provided with the toothed segment 3, the toothed flanges 4 located upon the standard 1, the catch-bar 9 and the spring 10, substantially as and for the purpose specified.

2. The combination of the center section 2, provided with the toothed segment 3, the toothed flanges 4, the catch bar 9, and the adjustable handles 5, substantially as and for the purpose set forth.

3. The combination of the center section 2, provided with the adjustable handles 5, and the toothed segment 3, the toothed flanges 4 formed upon the standard 1, the catch-bar 9, and a spring to hold the catch bar in engagement with the toothed segment and flanges, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM E. SEFTON.

Witnesses:
E. A. C. SMITH,
F. W. BOND.