(Model.)

F. H. MORSE.

HANDLE FOR BICYCLES.

No. 347,054. Patented Aug. 10, 1886.

Fig. 1.

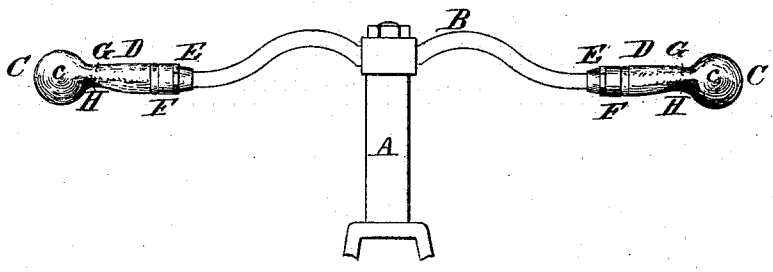


Fig. 2.

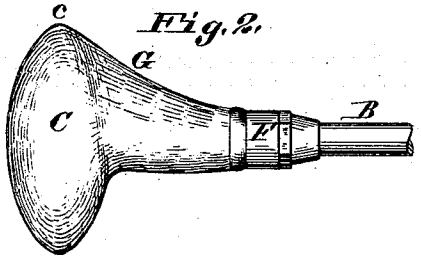


Fig. 4.

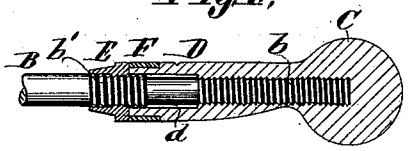


Fig. 3.

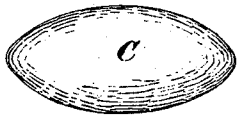
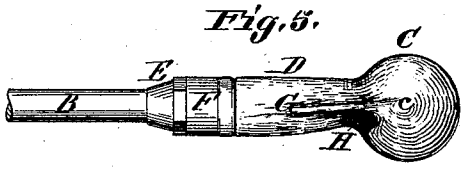


Fig. 5.



Attest;

Edward Stier

S. A. Hoppman,

Inventor;

Frederick H. Morse

By Knight Bros

Attys

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

FREDERICK H. MORSE, OF ST. LOUIS, ASSIGNOR OF ONE-HALF TO GEORGE S. MORSE, OF COLUMBIA, MISSOURI.

HANDLE FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 347,054, dated August 10, 1886.

Application filed December 5, 1885. Serial No. 184,803. (Model.)

To all whom it may concern:

Be it known that I, FREDERICK H. MORSE, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Handles for Bicycles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a rear view of the head of a bicycle with the handle-bar secured thereto. Fig. 2 is a top view of the right-hand handle. Fig. 3 is an end view of the handle, showing only the outer side of the grip. Fig. 4 is a section at 4 4, Fig. 2. Fig. 5 is a rear view of the right-hand handle.

This handle has a grip transverse to the handle-bar, combined with a shank that may be used as a grip. The rear extremity of the transverse grip is so connected with its shank by means of an inclined rib or web that the leg of the rider cannot strike against said grip (whereby he would be tripped) when clearing the machine—as, for example, in the event of a "header." The end of the handle-bar is screwed into the handle, and the handle is prevented from turning by a jam-nut.

A is the king-bar, turning in the frame of the bicycle, as usual, and connected to a handle-bar, B, of any suitable form.

The handle has a grip, C, whose length is transverse to the handle-bar.

D is a shank, which extends substantially in the line of the handle-bar. *d* is a socket formed through the whole length of the shank D and into the grip C. The socket *d* receives the reduced end of the handle-bar B, which is fitted therein with a screw, *b*.

b' is a screw-thread formed on a larger portion of the handle-bar B, upon which turns a jam-nut, E, which is made to bear hard against the ferrule F at the end of the shank, to prevent the handle from turning on the handle-bar.

G is a rib or web on the rear side of each handle, the edge of said rib forming an incline from the rear end, *c*, of the grip to the ferrule F. The purpose of this rib is twofold: first, it forms an incline, along which the leg of the rider easily passes when it is thrown out in dismounting or at other times, and so prevents the leg from catching against the grip; second, it forms a rest for the hand when the shank D is used for a grip, or when the hand is simply resting on the handle.

At H is a recess, in which the ends of one or more of the fingers may rest.

I am aware that handles have been heretofore used which are in line with the handle-bar, and others which are transverse thereto. The fault of the first is, that it does not provide a grip that can be effectually or conveniently used with the wrist in its most natural and easy position. The fault of the transverse (or gimlet-handle) is, that its connection with the handle-bar is so short that it is liable to turn, and it is dangerous, owing to the fact that the leg is liable to engage against it when thrown outward.

I am aware that a handle-bar has been formed of the usual transverse bar terminating on each side of the machine in a rearwardly-extending rectangular arm, a "grip" or handle being provided at the extremity of each of said arms, and also on the transverse portion or handle-bar proper, where the two unite; but such is not the equivalent of my invention.

I claim—

1. The combination, with the handle-bar, of a grip elongated in a direction transverse to said bar, and a second grip forming a shank for the first, both of said grips being substantially in the line of the handle-bar, as set forth.

2. The combination, with the handle-bar, of a grip elongated in a direction transverse to the handle-bar, and an inclined rib or web extending from the rear extremity of said transverse grip to the shank, substantially as and for the purposes set forth.

3. The combination, with a handle-bar and a grip elongated in a direction transverse thereto, of a web extending inwardly from said grip, forming a rest, as set forth.

4. The combination, with a handle-bar and a grip elongated in a direction transverse thereto, of a web extending inwardly from said grip, and having a socket in the under side thereof for the fingers, as set forth.

FREDERICK H. MORSE.

In presence of—
SAML. KNIGHT,
BENJN. A. KNIGHT.