

No. 636,053.

Patented Oct. 31, 1899.

H. C. MORANG.
CASE FOR BICYCLE FRAMES.

(Application filed Apr. 19, 1899.)

(No Model.)

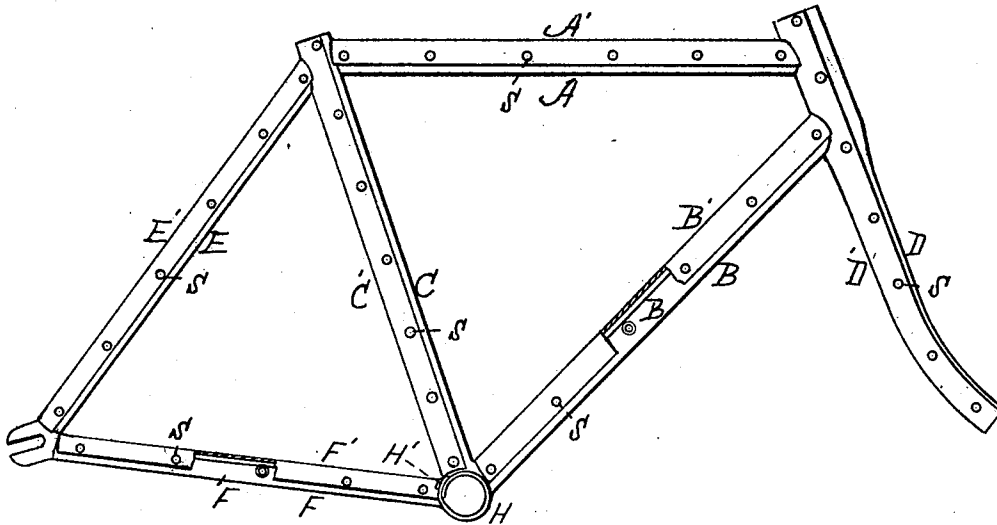


FIG. 1.

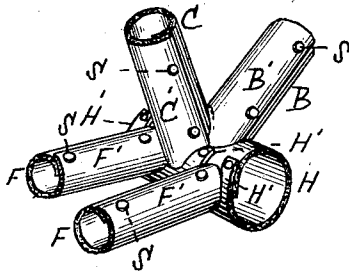


FIG. 2.

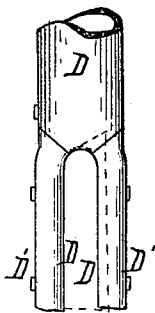


FIG. 3.

WITNESSES

A. N. Bonney.
A. H. Bonney.

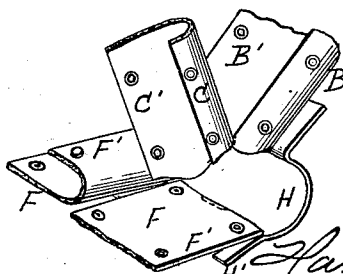


FIG. 4.

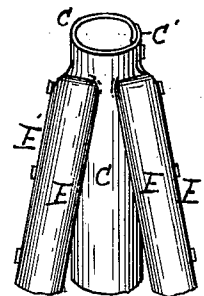


FIG. 5.

INVENTOR

H. C. Morang.
By his Atty.

Sherry & Williams

UNITED STATES PATENT OFFICE.

HANIBAL C. MORANG, OF LYNN, MASSACHUSETTS.

CASE FOR BICYCLE-FRAMES.

SPECIFICATION forming part of Letters Patent No. 636,053, dated October 31, 1899.

Application filed April 19, 1899. Serial No. 713,550. (No model.)

To all whom it may concern:

Be it known that I, HANIBAL C. MORANG, a citizen of the United States, residing in Lynn, in the county of Essex and State of Massachusetts, have invented a new and Improved Case for Bicycle-Frames, of which the following is a specification.

In shipping and transporting bicycles there is great danger that the frame will become scratched, marred, or otherwise injured. A common method of protecting the frame is to wind bandage-shaped strips around all its parts. This, however, is a process occupying considerable time.

It is the object of my invention or improvement to provide a case or cover of leather or other suitable material which will fit the frame and which can be applied to and fastened upon it quickly.

The nature of the invention in detail is fully described below and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation showing my improved case, portions being represented as broken out. Fig. 2 is a perspective view showing the portions of the case for the crank-hanger and for adjacent portions of the lower brace, backstay, and bottom tube of the frame. Fig. 3 is a front elevation of a portion of the case which is adapted for the front fork. Fig. 4 is a rear elevation showing portions of the case intended for the upper brace and backstay of the frame. Fig. 5 shows the portions of my case indicated in Fig. 2 lying open.

Similar letters of reference indicate corresponding parts.

This case is adapted to be constructed of leather, enamel-cloth, fabric, or other suitable material and is of the exact shape of the six principal portions constituting the frame of a bicycle. Inasmuch as there is more than one style or shape of frame in the market the shape of my case or covering may be varied somewhat in order to conform to the few principal styles or designs of bicycle-frames. It is the intention that the case shall fit the parts of the frame so closely that it will take practically but little more room than an ordinary tape or bandage would occupy when wound around the different parts of the frame.

My case comprises six principal parts or sheaths and a minor part, all permanently connected, so that the case is practically one integral structure. These parts are as follows: the part or sheath A, which is placed upon and protects the top tube of the bicycle-frame; the part or sheath B, which protects the bottom tube or bottom stay; the part or sheath C, which protects the seat-post or backstay; the bifurcated part or sheath D, which protects the front fork; the bifurcated part or sheath E, which protects the upper brace; the part or sheath F, which protects the lower brace, and the minor part or sheath H, which protects the crank-hanger. The parts B, C, and F radiate from the part H, the part E connects the outer ends of the parts C and F, the part D is connected with the outer ends of the parts A and B, and the part A connects the upper portions of the parts C and D.

All of the parts A, B, C, D, E, and F are longitudinally divided on one and the same side, so that the several parts are provided with flaps A', B', C', D', E', and F', which button over upon the main portions of said parts or sheaths and are secured in such buttoned position by means of ordinary ball-and-socket fasteners or glove-fasteners, as S. The main portions of these sheaths are all connected, as shown; but the flaps or flaps are free at their ends in order that the case or cover may be applied sidewise to the frame and have buttons or flaps all on the same side of the frame—that is to say, the openings or flaps are on one side of the frame of the bicycle and the closed portions of the sheaths on the other side. Exceptions to this, however, are the bifurcated sheaths E, F, and D, in which there is necessarily in each instance an extra sheath, whose opening is on the other side of the case and of the frame of the bicycle. One other exception or partial exception may be noted—viz., the sheath H, in which the flap or fly is divided into tongues H', which necessarily face neither side of the case or bicycle-frame.

In applying the case the entire open cover is applied to the bicycle-frame sidewise at the same time and then buttoned into position, as shown, the only parts which are buttoned on the opposite sides being portions of the bifurcated parts D, E, and F. Thus the oper-

ations of applying the cover and removing it are rapid and take but a very short time.

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

- 5 1. The herein-described improved case for bicycle-frames, comprising the sheaths A, B, C, D, E, and F each provided with a longitudinal opening for its entire length, and all
10 the sheaths being connected together as described, the flaps A', B', C', D', E' and F' but-toning over upon the body of the sheaths on the same side of the case, substantially as de-scribed.
- 15 2. The herein-described improved case for bicycle-frames, consisting of the sheaths A, B, C, D, E and F each provided with a lon-

gitudinal opening for its entire length, said sheaths being formed with the flaps A', B', C', D', E' and F', said flaps or openings being on 20 and facing the same side; and the sheath H provided with the flaps or tongues H', said sheaths B, C and F being connected with and radiating from the sheath H, the sheath E connecting the outer ends of the sheaths F 25 and C, the sheath A connecting the outer portions of the sheaths C and D, and said sheath D being connected with the outer portions of the sheaths A and B, substantially as set forth.

HANIBAL C. MORANG.

Witnesses:

HENRY W. WILLIAMS,
A. N. BONNEY.