No. 610,328. Patented Sept. 6, 1898.

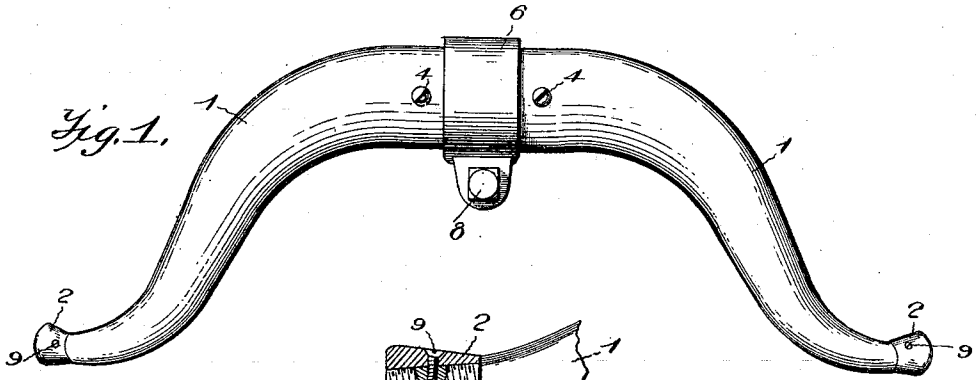
J. L. MARTIN.

HANDLE BAR.

(Application filed Dec. 18, 1897.)

(No Model.)

Fig. 1.



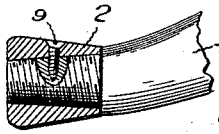


Fig. 4.

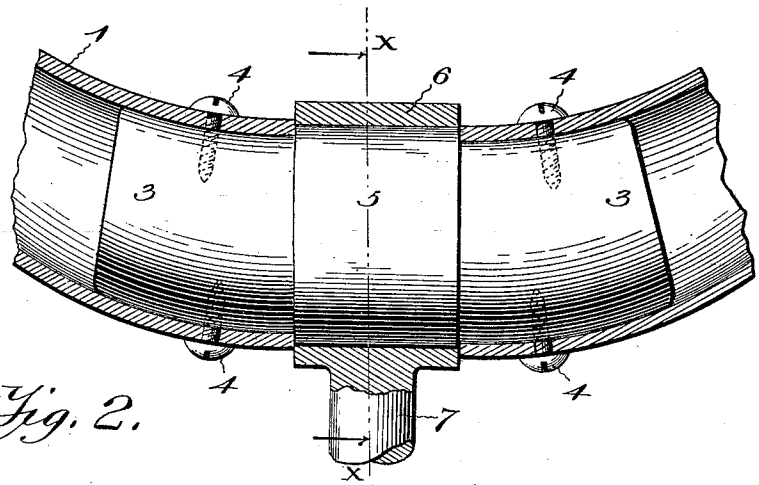


Fig. 2.

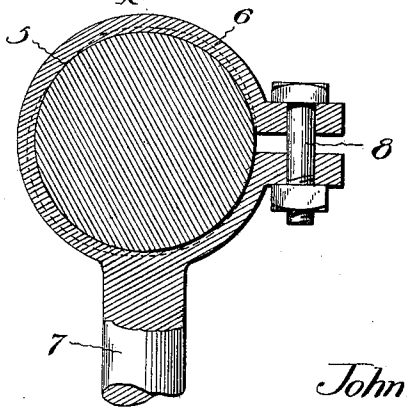


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN L. MARTIN, OF BEAUMONT, TEXAS.

HANDLE-BAR.

SPECIFICATION forming part of Letters Patent No. 610,328, dated September 6, 1898.

Application filed December 18, 1897. Serial No. 662,459. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. MARTIN, a citizen of the United States, residing at Beaumont, in the county of Jefferson and State of Texas, have invented a new and useful Handle-Bar, of which the following is a specification.

This invention relates to handle-bars for bicycles, velocipedes, and the like; and the primary object is to enable the successful use of animals' horns in the formation thereof and to provide for the adjustment and securing of such handle-bars in either a raised or lowered position or at any point within range of a circular adjustment.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a plan view of a handle-bar constructed in accordance with this invention. Fig. 2 is a longitudinal sectional detail. Fig. 3 is a transverse section on the line X X of Fig. 2 looking to the right, as indicated by the arrows. Fig. 4 is a detail view of a tip end of the handle-bar.

Corresponding and like parts are referred to in the following description and indicated in the several views of the drawings by the same reference characters.

The handle-bar is composed of horns 1, which have their tips ornamented and reinforced by ferrules or caps 2. The inner ends of the horns are fitted to the end portions of a wooden coupling 3 by being cemented thereto and fastened by screws or like fastenings 4, passing transversely through openings in the sides of the horns and into the end portions of the part 3. Inasmuch as the base portions or inner ends of the horns are of irregular shape the corresponding terminals of the wooden coupling are made conformable thereto as nearly as possible, so as to admit of a firm cement joint being obtained. The screws or fastenings 4 prevent any possible loosening or separation of the horns or end portions of the handle-bar.

The wooden coupling 3 has its middle portion turned and made of true circular form, as shown at 5, and this circular part is fitted within a clamp 6, applied to the upper end of the stem 7, said clamp consisting of a strap having its end portions parallel and apertured to receive a clamp-bolt 8, by means of which the clamp is tightened or loosened to admit of the handle-bar being adjusted to the required position.

The ferrules or caps 2 prevent the tips of the horns from splitting or cracking and make screw-thread connection therewith and are further stayed by screws 9, passing through openings in the ferrules and into the horns.

The stop-shoulders formed at each side of the enlarged portion 5 provide guides whereby the horns 1 may be placed equally upon the coupling, and the exposed portion of the latter between the horns forms a seat for the clamp, whereby the bar may be carried by the steering-head of the bicycle without marring the horns. The enlarged portion 5 also serves as a guide, as will be readily understood, whereby the handle-bar may be accurately placed equally upon each side of the steering-head.

Having thus described the invention, what is claimed as new is—

1. In a handle-bar for bicycles and the like, the combination of a coupling having its ends reduced, forming a central enlarged portion and stop-shoulders at each side thereof, separate handle-bar sections connected to the reduced ends of the coupling and fitting against the stop-shoulders, and a stem having a clamp encircling the enlarged portion of the coupling, substantially as shown and described.

2. As an improved article of manufacture, a handle-bar for bicycles and the like comprising horns, a wooden coupling having its middle portion made enlarged and its end portions made conformable to the irregularities of the inner ends of the horns and ce-

mented therein, screws or like fastenings passing laterally through openings in the ends of the horns and into the wooden coupling, and a stem having a clamp fitted to the enlarged portion of the coupling between the opposing ends of the horns, substantially as set forth.

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

JOHN L. MARTIN.

Witnesses:
W. L. DOUGLASS,
H. B. BROCK.