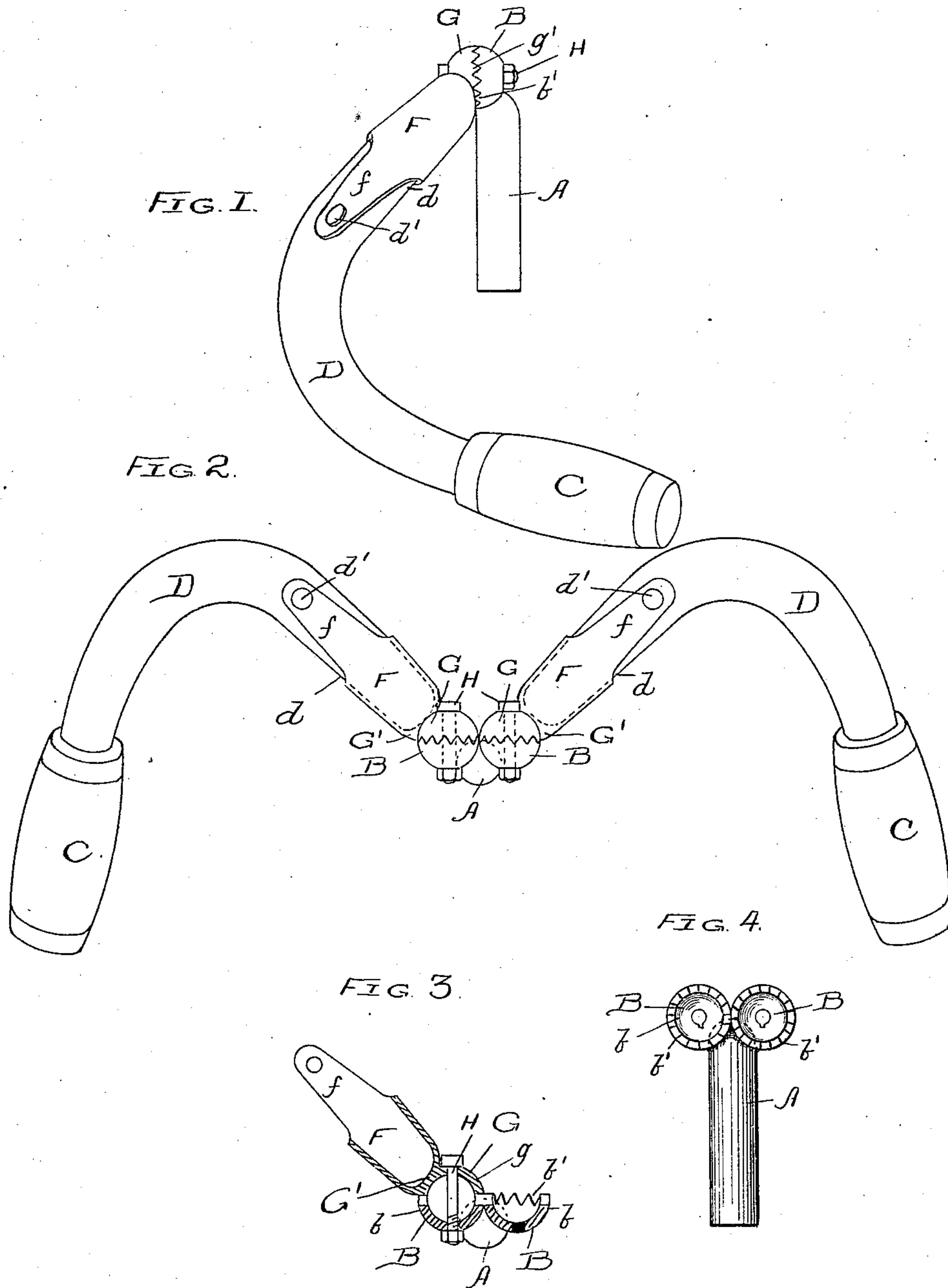


(No Model.)

O. A. WHEELER.  
ADJUSTABLE HANDLE BAR.

No. 575,746.

Patented Jan. 26, 1897.



WITNESSES:  
*Lew. C. Curtis*  
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HIS ATTORNEYS.

# UNITED STATES PATENT OFFICE.

ORRIN A. WHEELER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE INDIANA NOVELTY MANUFACTURING COMPANY, OF PLYMOUTH, INDIANA.

## ADJUSTABLE HANDLE-BAR.

SPECIFICATION forming part of Letters Patent No. 575,746, dated January 26, 1897.

Application filed May 6, 1896. Serial No. 590,454. (No model.)

*To all whom it may concern:*

Be it known that I, ORRIN A. WHEELER, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Adjustable Wood-Arm Ram's-Horn Handle-Bars for Bicycles, of which the following is a specification.

My invention relates to handle-bars for bicycles, and more particularly to the kind or class now commonly known as "ram's-horn" handle-bars.

The object of my invention is to provide an adjustable ram's-horn handle-bar the arms whereof are of wood to prevent injurious vibration upon the hands of the rider, and which, while being adjustable to enable the handles to be put into any position desired, will at the same time be not only light and neat, but strong, durable, and efficient in construction and not liable to become loose after being once adjusted to the position desired.

To this end my invention consists in a ram's-horn handle-bar comprising in combination a handle-bar-post stem provided with two integral hollow half-globe seats having notched or serrated rims, two curved wood arms having handles at their outer ends, and two metal socket-pieces into which the inner ends of said wood arms are securely fitted, and which socket-pieces are furnished with integral hollow half-globe seats having notched or serrated rims fitting said half-globe seats on said stem, and clamp-bolts inserted through said seats on the stem and socket-pieces for clamping the pairs of notched seats together. The hollow socket-pieces are tapering and embrace each a sufficient length of the wood arm to afford a strong and secure connection between the two.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side view, and Fig. 2 a plan view, of a handle-bar provided with my invention. Figs. 3 and 4 are detail views.

In the drawings, A represents the metal handle-bar-post stem of a bicycle.

B B are the integral half-globe-shaped hollow seats with which the stem A is provided,

the circular rim *b* of each being furnished with notches or serrations *b'*.

C C are the handles, D D the curved wood arms, and F F the metal socket-pieces for receiving the inner tapering ends *d d* of the wood arms, the same being secured thereto by bolts or rivet-pins *d' d'*, extending through the wood arms and the tapering tongues *f f*, with which the socket-pieces are provided at their outer or larger ends.

G G are the integral hollow half-globe seats with which the metal socket-pieces F F are furnished at their inner ends, the same having circular rims *g g*, furnished with notches or serrations *g' g'*, fitting and engaging the notched rims *b b* of the seats B B on the stem A. Clamp-bolts H H extend diametrically through the pairs of half-globe seats B G B G and firmly clamp them together, thus forming two complete metal globes at the top of the handle-bar-post stem A. Owing to the rounded or half-globe form of the seats B G, they offer great strength and resistance to the tensile strain of the clamp-bolt H, while at the same time they may be made comparatively small and light, and they also thus present a neat and attractive appearance, serving, indeed, rather as an ornament to the top of the seat-post stem. The integral seats G G are united to their socket-pieces F F by integral necks *G' G'*, which are preferably solid or substantially solid, thus giving not only a neat appearance, but a very strong and substantial construction.

I have called the seats B G B G "half-globe" seats because their shape preferably approximates half-globes, but it will of course be understood by those skilled in the art that I do not use these words in an exact or mathematical sense.

I claim—

1. The ram's-horn handle-bar for bicycles, comprising in combination the following parts: a handle-bar-post stem having two integral hollow half-globe seats furnished with serrated rims, two curved wood arms having handles at their outer ends, two metal socket-pieces receiving said wood arms and having each an integral hollow half-globe seat fur-



nished with a serrated rim fitting the corresponding seat in said stem, and clamp-bolts for securing together said half-globe seats in pairs, substantially as specified.

- 5 2. The ram's-horn handle-bar for bicycles consisting in the combination with a handle-bar-post stem having two serrated circular seats, of two curved wood arms having handles at their outer ends, and two metal socket-

pieces receiving said wood arms furnished to with serrated circular seats fitting said seats on said stem, and clamp-bolts for securing said seats on said metal socket-pieces to the seats on said stem, substantially as specified.

ORRIN A. WHEELER.

Witnesses:

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