

No. 610,254.

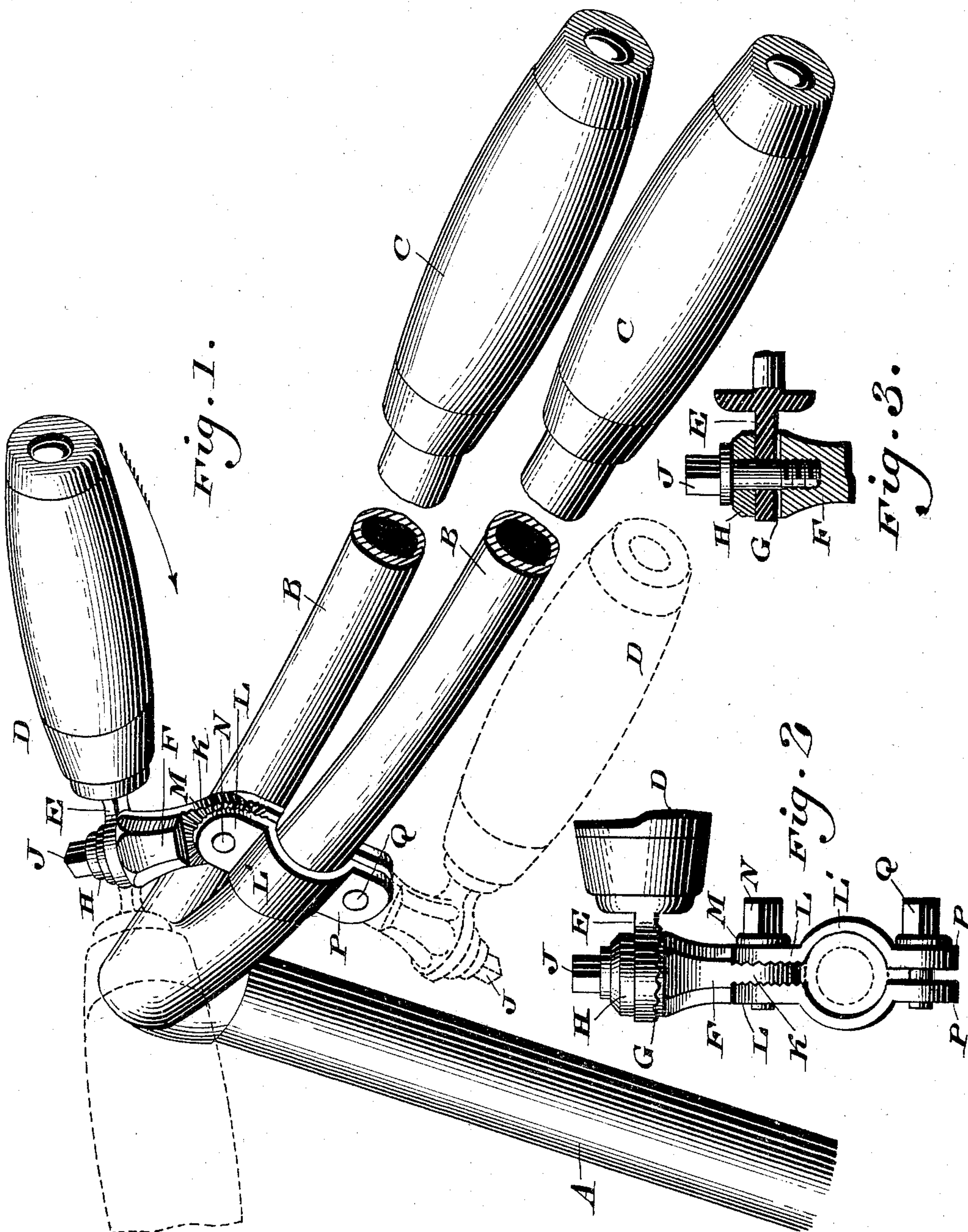
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N. A. BILLE.

ADJUSTABLE GRIP FOR HANDLE BARS OF BICYCLES.

Application filed Apr. 10, 1897.)

No Model.)



WITNESSES

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UNITED STATES PATENT OFFICE.

NUMA ALIX BILLE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO FRITZ MULLER, OF SAME PLACE.

ADJUSTABLE GRIP FOR HANDLE-BARS OF BICYCLES.

SPECIFICATION forming part of Letters Patent No. 610,254, dated September 6, 1898.

Application filed April 10, 1897. Serial No. 631,484. (No model.)

To all whom it may concern:

Be it known that I, NUMA ALIX BILLE, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Adjustable Grips for Handle-Bars of Bicycles, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of an improved construction of auxiliary handle for bicycle-bars which can be readily attached to existing bars and is capable of being located above or below the same and also of lateral movement, according to requirements.

It further consists of novel details of construction, all as will be hereinafter fully set forth, and pointed out in the claims.

Figure 1 represents a perspective view of an adjustable grip for handle-bars of bicycles embodying my invention and a portion of the handle-bar to which the same is applicable, in the present instance only one auxiliary hand of grip being shown. Fig. 2 represents a front elevation of the auxiliary handle and its adjuncts.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a handle-bar post, the same having the handle-bar B attached thereto in any usual or convenient manner and being provided with the handles C.

D designates the auxiliary handle, the same having a shank E attached thereto, which is pivotally mounted upon the post F, said shank having the roughened or serrated portion G, which is adapted to contact with the roughened side of the post F, so as to more firmly engage the same.

J designates a bolt which is adapted to be secured to the post F, said bolt having a squared portion J' and a flange H', and passes through the washer H and the shank E, it being evident that the parts are held in position by the said bolt J.

K designates a tongue or extension of the post F, which is provided with the corrugated or roughened portion, which contacts with similarly-roughened faces of the ears L of the clamp L', said ears being held together by

means of a screw or bolt M, on which is the nut N, while the opposite extremities P of said clamp are held together by means of a screw or bolt Q, it being of course understood that said clamp L' is mounted on the handle-bar of a bicycle and that in practice two auxiliary handles D are shown instead of one, as in the drawings, the other handle being omitted for the sake of clearness of illustration.

The operation is as follows: The auxiliary handle D is supported upon the handle-bars G by means of the clamp L', said clamp being secured by means of the screws or bolts N Q.

When it is desired to adjust the handle D in the direction indicated by the arrow in Fig. 1, it is only necessary to loosen the bolt or screw N and the desired adjustment can be effected.

The lateral adjustment can be effected by loosening the pin J, when the shank can be turned between the washer H and the post F to the position desired by the rider, after which the pin J can again be tightened.

If it is desired to reverse the position of the handle D, so that the same may occupy a position below the bar B instead of above, it is only necessary to loosen the clamp L', whereby the handle D can be turned from the position seen in Fig. 1 to the position seen dotted in said figure, in which latter position the same lateral adjustment can be effected as has been already described.

It will of course be evident that changes may be made by those skilled in the art, and I do not therefore desire to be limited to the exact construction as herein shown and described.

It will be noticed that the clamp L' can be secured on the handle-bar at different places and at different angles to the longitudinal line thereof, so as to adjust the position of the tongue K relative to the rider of the bicycle.

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

1. A clamping device adapted to be detachably secured to a bicycle handle-bar, a post pivoted at one end to one end of said clamp-

ing device and adapted to be clamped in fixed position thereon, and a handle provided with a shank mounted on said post and adjustable thereon at substantially right angles to the
5 longitudinal extension of said post.

2. In an adjustable grip for handle-bars of bicycles, a clip composed of sections having ears at their ends and provided with clamping-screws, a post having a tongue adapted

to be pivoted between said ears, a bolt having a flanged portion and adapted to be secured to said post, a shank held on said bolt between said flanged portion and said post, and a handle on said shank.

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Witnesses:

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