Jan. 10, 1939. B. J. ANDERSON 2,143,234

HANDLE BAR

Original Filed March 15, 1935

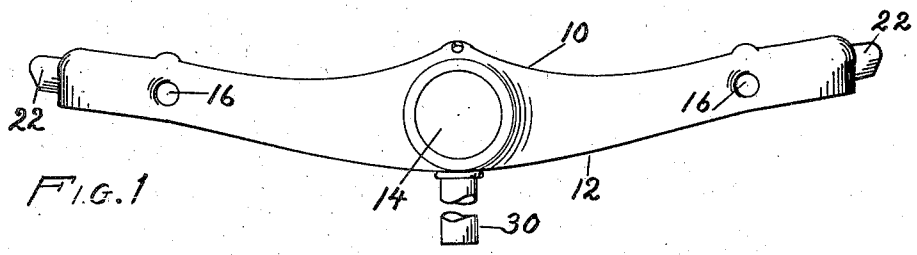

FIG. 1

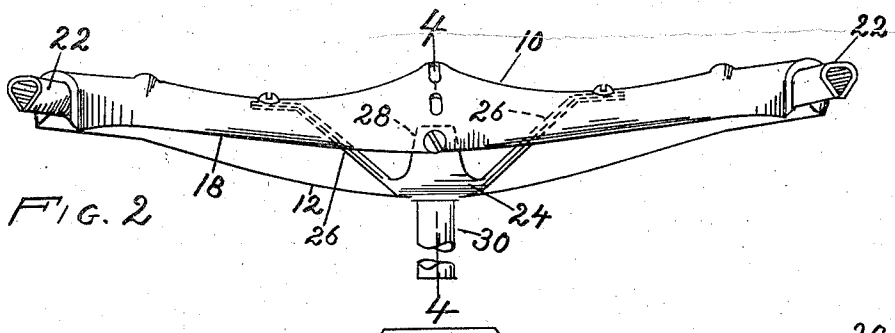

FIG. 2

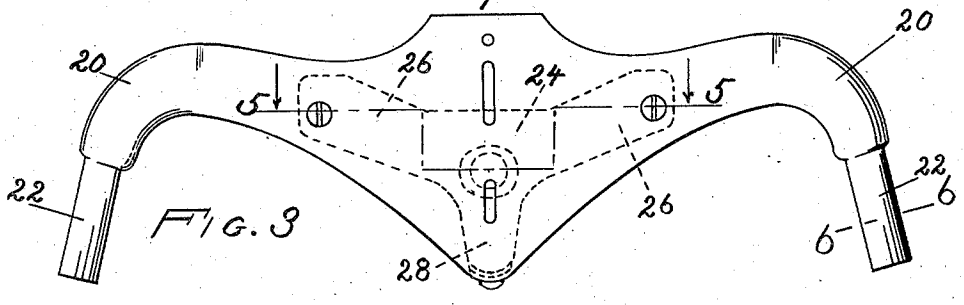

FIG. 3

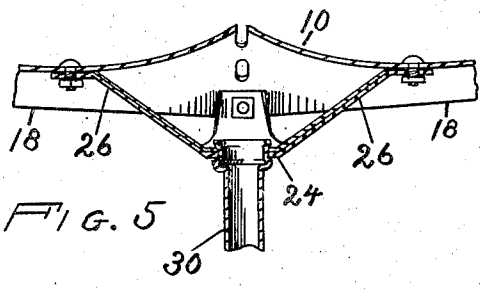

FIG. 5

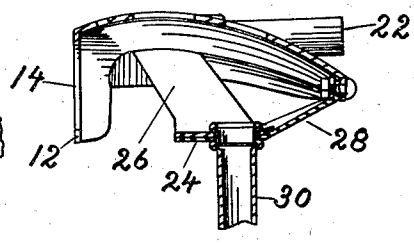

FIG. 4

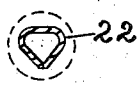

FIG. 6

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HANDLE BAR

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Application March 15, 1935, Serial No. 11,246
Renewed November 30, 1938

15 Claims. (Cl. 74—551.1)

This invention relates to a handle bar and has for one of its principal objects the construction of a device which will afford ample room within the body thereof for housing lighting and alarm mechanism and equipment.

Another and further object of the handle bar of this invention resides in the provision of means for providing access to the lighting and alarm equipment from both front and rear of the handle bar.

A further object of this invention resides in the provision of means for preventing the conventional handle grips from rotating when they are positioned on the grip supporting portions of the device.

A still further important object of the invention resides in the provision of means for securing the post to the bracket.

An additional object of importance and advantage resides in the provision of means for economically manufacturing a sturdy and rugged article.

The invention shows other objects and features of importance and advantage, some of which, with the foregoing, will be set forth in the following description.

The invention, in a preferred form, is illustrated in the annexed drawing and hereinafter more fully described.

In the drawing:

Figure 1 is a front elevation of the handle bar of this invention.

Figure 2 is a rear elevation thereof.

Figure 3 is a top plan view of the handle bar, the supporting bracket being shown in dotted lines.

Figure 4 is a vertical section taken on the line 4—4 of Figure 2.

Figure 5 is a section taken on the line 5—5 of Figure 3.

Figure 6 is a sectional view taken on the line 6—6 of Figure 3 and shows a conventional grip in dotted lines.

As shown in the drawing:

The reference numeral 10 indicates in a general way the body of the handle bar which, in the preferred embodiment is constructed of sheet metal and has a wide central portion with outwardly and rearwardly turned restricted end portions.

The front portion 12 of the stamping is turned downwardly and is apertured at 14 and 16 for receiving lights or alarm. The rear portion 18 of the stamping is turned downwardly. The outwardly extending portions 20 are restricted and turned rearwardly, as is clearly shown in Figure 3. The extreme end portions of the stamping are further restricted to form handles 22, which are adapted to receive the conventional resilient grips.

The handles 22 are irregular in cross section, and are adapted to resist rotation of grips when positioned thereon.

A bracket 24 having two upwardly and outwardly extending arms 26, which are secured to the under surface of the stamping, also has a rearwardly and upwardly extending arm 28 which is adapted to be secured to the rear downwardly turned portion of the stamping.

While in the preferred embodiment, as shown in the drawing, the bracket is secured to the stamping with bolts, it will be obvious that any other suitable securing means may be used.

Secured to the central portion of the bracket 24 is a post 30. In the preferred construction of the handle bar, the post 30 is secured to the bracket 24 by inserting the end of the post within a slightly irregular hole in the center of the bracket and then spreading the post to fill the hole and allowing portions of the post above and below the bracket to be spread beyond the edge of the irregular hole, as is clearly shown in Figures 4 and 5.

It will be apparent however, that the post may be secured to the bracket by any other suitable means.

It will be apparent from the foregoing that herein is provided a handle bar which is rugged and sturdy and, because of its limited number of parts, may be quickly and economically produced.

I am aware that many changes may be made and numerous details of construction varied throughout a wide range without departing from the principles of this invention and I, therefore, do not purpose limiting the patent granted hereon otherwise than as necessitated by the prior art.

I claim as my invention:

1. A handle bar for a velocipede comprising a stamping having a wide central portion and restricted rearwardly turned end portions, the front and rear edges of said stamping being turned downwardly, a lamp receiving formation in said downwardly turned front edge, a bracket having upwardly and outwardly extending arms secured to the under surface of said stamping, the inner surface of said stamping and the central portion of said bracket being spaced apart, and a post secured to and depending from the central portion of said bracket.

2. A handle bar for a velocipede comprising a stamping having a wide central portion and restricted rearwardly turned end portions, said end portions being of irregular cross section, the front

and rear potions of said stamping being turned downwardly, a bracket having two upwardly and outwardly extending arms secured to the under surface of the stamping and one rearwardly and upwardly extending arm secured to the downwardly turned rear portion of the stamping adjacent the edge thereof, and a post extending downwardly from the central portion of said bracket.

3. In a handle bar, a stamping having a wide central portion and outwardly and rearwardly extending restricted portions, the edge of said stamping being turned downwardly, and the downwardly turned edges of the restricted portions being drawn inwardly to form biting edges for grips positioned thereon.

4. In a handle bar, a stamping having a wide central portion, a downwardly turned apertured front portion and outwardly and rearwardly extending restricted portions, the edges of said stamping being turned downwardly, the downwardly turned edges of each restricted portion of the stamping being directed inwardly to form a ridge along the bottom thereof.

5. In a handle bar for a velocipede comprising a sheet metal body having downwardly turned front and rear edges, the ends of said handle bar extending outwardly an rearwardly and terminating in grip receiving formations, the downwardly turned edges of said end portions being turned inwardly but spaced slightly apart thereby leaving biting edges for hand grips.

6. A bracket for a sheet metal handle bar comprising an apertured stamping having outwardly and upwardly extending arms forming an inverted tripod, the end portions of said arms being adapted to be secured to the under side of a handle bar.

7. In a bracket for a handle bar, said bracket comprising an apertured tripod, the central portion of said bracket being positioned at a distance below said handle bar, the arms of said bracket extending upwardly and outwardly and being secured adjacent the end thereof to the under side of the handle bar, and a stem secured to the central portion of said bracket and extending downwardly, a portion of said stem being bulged and contacting the lower surface of said bracket.

8. In a bracket for a handle bar, the central portion of said bracket being positioned at a distance below said handle bar, an arm extending rearwardly and upwardly and adapted to be secured to the handle bar, an arm on each side of said bracket extending upwardly an outwardly and being secured adjacent the end thereof to the under side of the handle bar, and a stem secured to the central portion of said bracket and extending downwardly.

9. A handle bar for a velocipede comprising a stamping having outwardly and rearwardly extending grip receiving formations, said grip receiving formations being of irregular cross section, an apertured bracket positions below said stamping, a plurality of arms extending upwardly from said bracket and being secured to said stamping and a stem positioned in the aperture in said bracket.

10. A handle bar for a velocipede comprising a stamping having outwardly and rearwardly extending grip receiving formations, said grip receiving formations being of irregular cross section, an apertured bracket positioned below said stamping, the edges forming the perimeter of said aperture being irregular, a plurality of arms extending upwardly from said bracket and being secured to said stamping, and a stem positioned in the aperture in said bracket, a portion of said stem being expanded to contact the irregular edges of said aperture and portions of the stem above and below said edges being expanded therebeyond.

11. A post for a velocipede comprising a tubular member, a portion near one end of said member being bulged to increase the diameter of the periphery thereof, and the end of the tubular member turned outwardly to form a groove between said end and said bulged portion, and a handle bar supporting member extending upwardly and outwardly from said post.

12. In a handlebar, lamp receiving formations in the front thereof, a bracket comprising an inverted tripod secured to the under surface of said handle bar, and a post projecting downwardly from said bracket.

13. In a handle bar, lamp receiving formations in the front thereof, a bracket comprising an inverted apertured tripod secured to the under surface of said handle bar, and a tubular post secured in said aperture and projecting downwardly.

14. In a handle bar, lamp receiving apertures formed in the front thereof, a grip receiving member on each end of said handle bar, said grip receiving members being substantially triangular in cross section, a bracket comprising an inverted tripod secured to the under surface of said handle bar, and a post projecting downwardly from said bracket.

15. In a handle bar a member having end portions adapted to receive hand grips, each of said end portions having a ridge comprising biting edges along the bottom thereof.

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