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M. ZANELLATO

TOY BICYCLE

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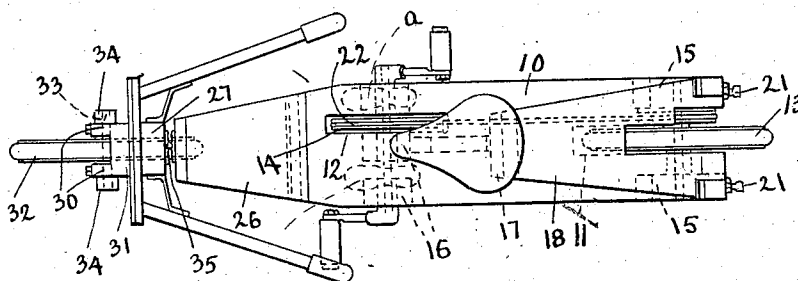


Fig. 2

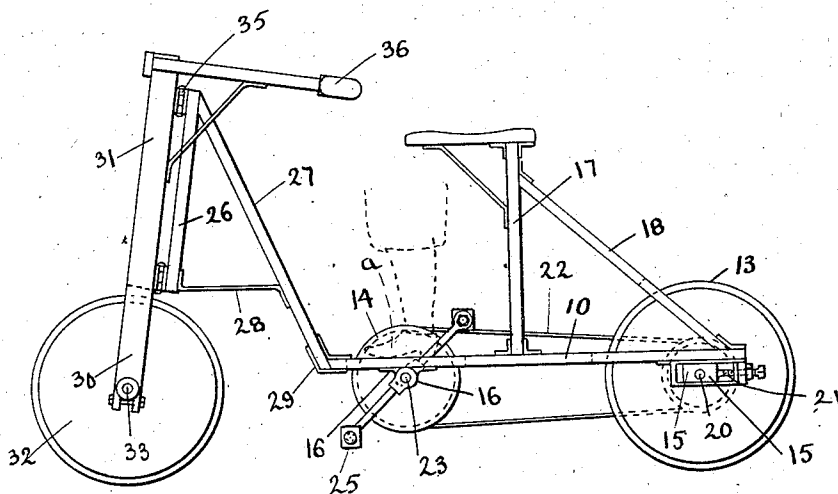


Fig. 1

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TOY BICYCLE.

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My invention relates to toys of the vehicle class.

The invention consists of incorporating with a toy bicycle the essential features of the toy commonly known as a "scooter."

My object is to provide a toy of this description which shall be light; which may be manufactured at a low cost, and which may be safely used by young children.

Accordingly, I have provided for the building of a bicycle, mainly of wood, suitably braced, the few metal parts being simple in construction. Where possible, commercial parts used for other purposes, are here used to save the special details that would otherwise be required.

Forming a part of the frame is a relatively wide base board, to which are secured the bearings for the crank shaft, and the bearings for the rear wheel. From this base board projects the seat post, suitably braced, and the frame construction is completed by bracing the head to this base board. The width of the base board enables me to position the crank shaft bearings so that there is ample room for the child to stand between the rotating cranks without interfering with their rotation. Other innovations, not claimed as patentable will appear in the accompanying specification and the drawings forming a part thereof.

In the drawings, Fig. 1 is a side elevation of a toy embodying my invention, and Fig. 2 is a plan of the same.

In the drawings, 10 is a base board relatively wide, and slotted at 11 and 12 to permit the rear wheel 13 and the driving pulley 14 to operate. Bearings 15 for the rear wheel and 16 for the crank shaft are secured to the base board, and extending upwardly therefrom is the seat post 17, rigidly braced to the base board by the member 18, which is slotted to provide clearance for the rear wheel 13, and the driven pulley 19 rigidly

secured thereto. The rear wheel 13 is rigidly secured to the shaft 20, which is journaled in the bearings 15, adjustable at 21 to take up the stretch of the endless belt 22 by means of which the rear wheel is driven by crank action from the pulley 14.

The driving pulley 14 is rigid with the crank shaft 23, which is journaled in the bearings 16, secured to the base board 10, and these bearings are positioned to provide ample room between the cranks to permit the child's feet to rest on the base board 10, when coasting, or to permit the child to stand on the base board if so desired, and without interference with the rotating cranks, 25. The head 26 is braced to the base board 10, by the member 27, and a supplementary brace 28, and the angle iron 29, insures rigidity of the frame as a unit. The forks 30 for the front wheel are integral with a single post 31, and the wheel 32, rigid with the shaft 33, is rotatable between the forks, the bearings 34 for the shaft 33, being secured to the forks in any suitable manner. The fork member is hinged at 35 to the head 27, and from the upper end of the post 30 extend the handle bars 36.

As this article is a toy, the construction must necessarily be simple, and permanence is sacrificed to insure a low manufacturing cost, as long service is not to be expected.

Having thus described my invention, I claim:—

In a bicycle of the kind propelled by the ordinary sprocket and chain, a frame member, slotted to permit the driving sprocket to project therethrough, and to which are secured the bearings for the crank shaft, so disposed that the feet may rest on the frame member between the cranks, one on either side of the sprocket, without interference therewith, or with the cranks.

MARCELLO ZANELLATO.