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ROLLER SKATE

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3 Claims. (Cl. 280—11.26)

The present invention relates to roller skates and has for its primary object to provide a two roller skate which can be readily adjusted to fit various sizes of shoes and to properly dispose the rollers with respect to the foot to provide for proper balance.

Another object of the present invention is to provide a durable skate which may be economically manufactured and readily assembled. To this end the heel and toe plates are provided with means permanently secured thereto for supporting rollers on the plates, the means for supporting the rollers being constructed so as to slidably engage a channel shaped body to permit lengthwise adjustment with respect thereto, and being provided with clamping means for securing the roller supports and plates with respect to the channel after the adjustments have been made.

Another object of the present invention is to provide in combination with a roller skate means for securing the toe plate to the sole of a shoe, and more particularly, a means which makes it possible to use a skate on either the right or left foot interchangeably. To this end the toe plate of each skate is provided with two sole clamps which are individually adjustable.

With the above and other ends in view the invention consists in matters more particularly set forth with reference to the accompanying drawing, in which

Figure 1 is a plan of the skate;

Fig. 2 is a side elevation; and

Figs. 3, 4, 5, and 6 are sections taken on the lines 3—3, 4—4, 5—5 and 6—6 respectively of Fig. 1.

Like characters of reference are employed throughout to designate corresponding parts.

The numeral 1, designates the heel plate of the skate, the plate 1 having a pair of upstanding heel engaging parts 2 provided with slots for the reception of a strap in a manner already known in the art and therefore not shown here. A pair of spaced apart arms 3 are provided beneath the plate 1 and each arm has an outwardly directed flange 4 secured to the heel plate by rivets 5. In some cases, the rivets 5 will be dispensed with and the flanges 4 will be welded to the plate. The outer ends of the arms 3 are united by a shaft 6 upon which is rotatably mounted a roller 7.

The arms 3 are formed, preferably by stamping, of sheet metal and they are provided with integral forwardly extending walls 8 with inwardly projecting flanges 9 at their lower edges. Each flange 8 has a depending lug 10 and a clamping bolt 11 is extended between the lugs. An elongated

channel-shaped body 12 extends between the arms 3 and the walls 8 and is engaged at its top by the plate 1 and at its bottom by the flanges 9. The plate 1 is thus slidably supported on the channel body 12 and may be secured against slidable movement with respect thereto by tightening the clamping bolt 11 so as to draw the walls 8 into tight frictional engagement with the sides of the body 12.

The numeral 13 designates the toe plate of the skate. Secured beneath the toe plate are two spaced apart arms 3a supporting an axle 6a and a roller 7a in the manner above described. The arms 3a have integral walls 8a with inwardly directed flanges 9a and lugs 10a receiving the clamping bolt 11a. The end of the channel body 12 is received between the walls 8a and arms 3a, and between the bottom surface of the plate 13 and the flanges 9a. These parts may be secured against relative movement by tightening the bolt 11a.

The toe plate 13 has a transversely extending slot 14 and adjacent to each end of the slot is a bolt 15. Sole engaging elements 16 have slots 17 through which the bolts 15 extend and clamping nuts 18 are provided on the bolts to secure the elements 16 with respect to the plate. Each element 16 has a stud 19 projecting into the slot 14 to prevent its turning around its respective bolt. Obviously, either clamping element 16 may be adjusted without disturbing the other.

Although a specific embodiment of the invention has been illustrated and described it will be understood that various changes may be made within the scope of the appended claims without departing from the spirit of the invention, and such changes are contemplated.

What I claim is:—

1. A roller skate comprising a rigid body, a plate, a pair of arms depending from said plate and supporting a roller, said arms being spaced apart to engage opposite sides of said rigid body which extends therebetween, said arms having inwardly directed flanges integral therewith and engaging the underside of said rigid body, and means carried by said flanges for clamping said arms against said rigid body.

2. A roller skate comprising a rigid channel member having a pair of parallel side walls and a web portion uniting said side walls, a plate, a pair of arms depending from said plate and engaging opposite sides of said channel member, means on said arms extending inwardly between the arms and engaging the web portion of the channel member to retain the upper edges of the

side walls in contact with said plate, and means for clamping said arms against the channel member to prevent relative movement between the channel member and plate.

- 5 3. A roller skate comprising a rigid body, a plate, a pair of arms depending from said plate and supporting a roller, said arms being spaced

apart to engage opposite sides of said rigid body which extends therebetween, said arms having inwardly directed flanges integral therewith and engaging the underside of said rigid body, depending ears on said flanges, and a set screw 5 extending between said ears.

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