

Jan. 13, 1959

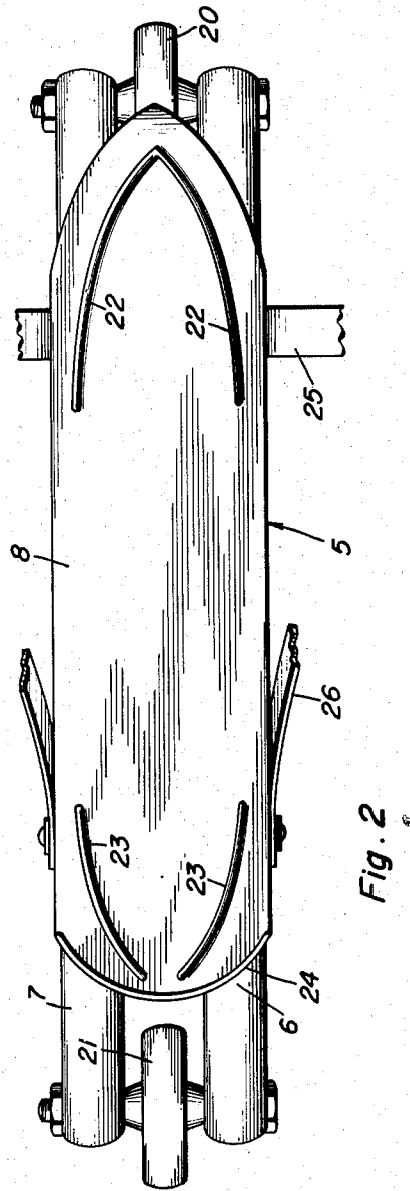
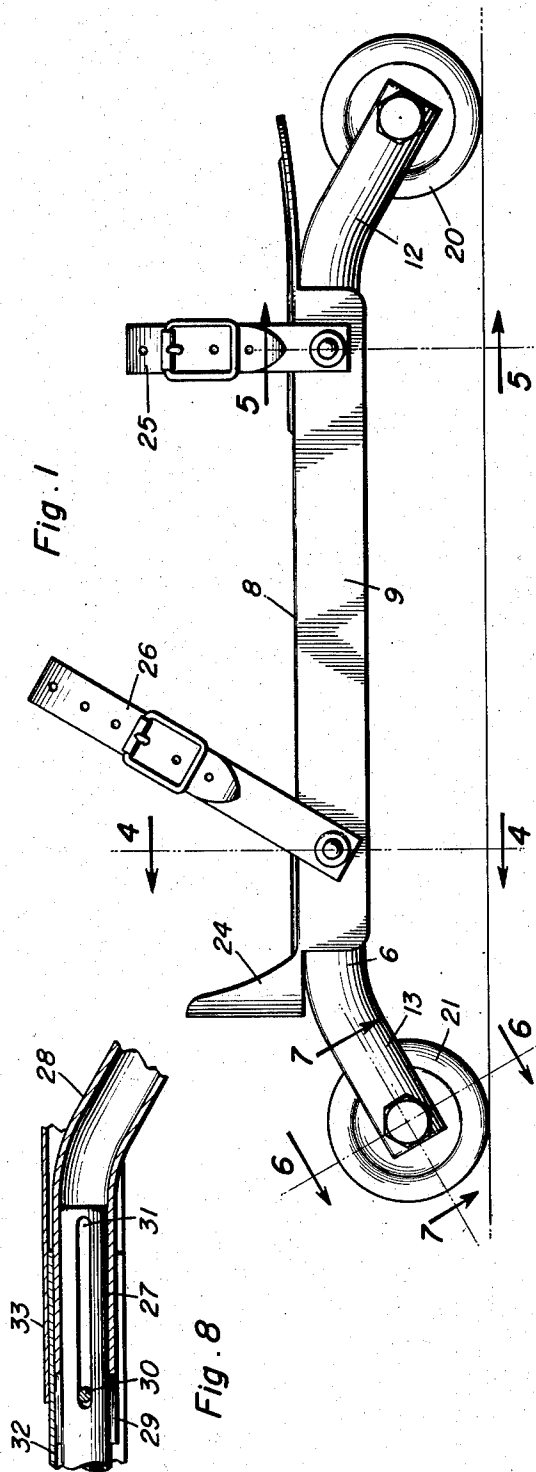
W. RING

2,868,554

TANDEM WHEEL ROLLER SKATE

Filed Nov. 7, 1955

2 Sheets-Sheet 1



William Ring
INVENTOR.

BY *Chance A. Brown*
and *Harvey B. Jacobson*
Attorneys

Jan. 13, 1959

W. RING

2,868,554

TANDEM WHEEL ROLLER SKATE

Filed Nov. 7, 1955

2 Sheets-Sheet 2

Fig. 3

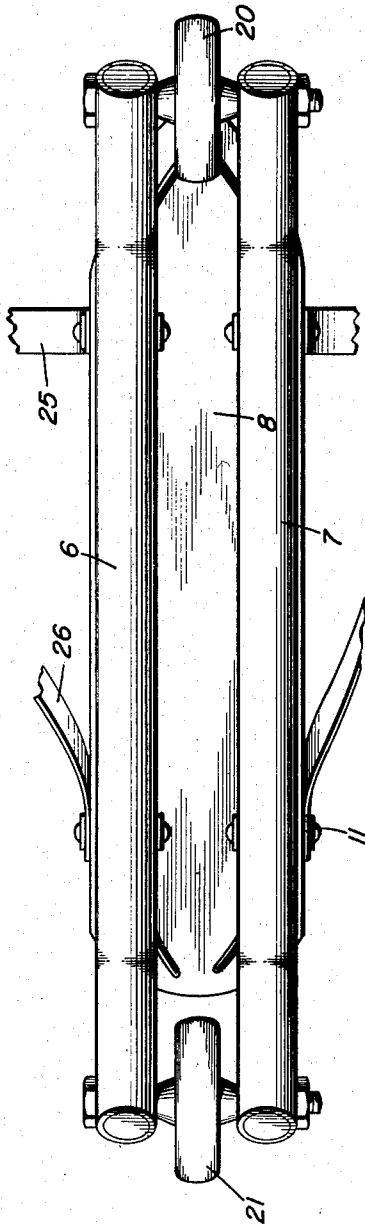


Fig. 4

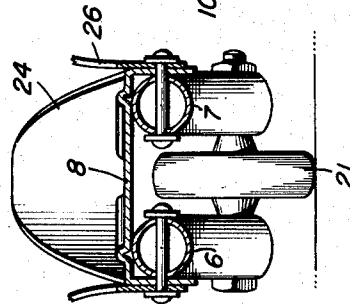


Fig. 5

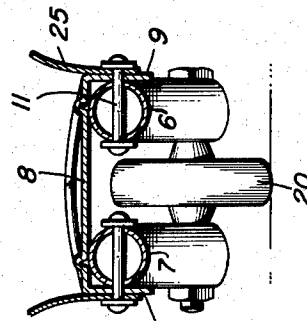


Fig. 7

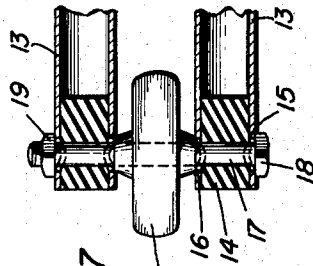
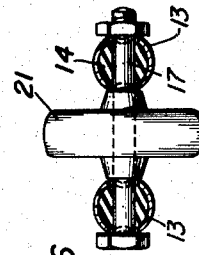


Fig. 6



William Ring
INVENTOR.

BY *Chance A. Prior*
and *Harvey B. Jacobson*
Attorneys

1

2,868,554

TANDEM WHEEL ROLLER SKATE

William Ring, Little Falls, N. Y.

Application November 7, 1955, Serial No. 545,154

1 Claim. (Cl. 280—11.26)

The present invention relates to new and useful improvements in roller skates of the two-wheel type.

An important object of the invention is to provide a chassis for a roller skate of improved and simplified construction and including the provision of a shoe plate supported on a pair of spaced-apart parallel tubular frame members between the front and rear ends of which the front and rear wheels are rotatably supported.

Another object of the invention is to construct the shoe plate with downwardly projecting side flanges positioned at the outside of the tubular frame members to prevent the latter from spreading apart.

A still further object is to close the ends of the tubular frame members with rubber filler plugs in which the axle for the wheels are supported to provide resilient shock absorbing mountings for the wheels.

A still further object is to provide a device of this character of simple and practical construction, which is strong and durable, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view;

Figure 2 is a top plan view;

Figure 3 is a bottom plan view;

Figures 4, 5 and 6 are transverse sectional views taken respectively on the lines 4—4, 5—5 and 6—6 of Figure 1;

Figure 7 is a fragmentary longitudinal sectional view taken on a line 7—7 of Figure 1, and

Figure 8 is a fragmentary longitudinal sectional view of a modified tubular frame construction.

Referring now to the drawings in detail wherein for the purpose of illustration I have disclosed a preferred embodiment of invention, the numeral 5 designates a roller skate chassis generally and which is constructed of a pair of tubular metal frame members 6 and 7 on top of which a shoe plate 8 is supported. The longitudinal side edges of the shoe plate are formed with downwardly projecting flanges 9 and 10 which are positioned at the outside of the respective frame members 6 and 7 and secured thereto by rivets or other suitable fastening members 11.

The front and rear ends of each of the tubular frame members are bent at a downwardly inclined angle, as shown at 12 and 13, and a rubber insert or plug 14 closes each end of each of the tubular frame members. Aligned openings 15 and 16 are formed respectively in the tubular frame members and in the fillers, respectively, to receive an axle 17 which extends transversely at the front and rear ends of the frame members. The axle preferably comprises a bolt having a wrench engaging head 18 on one end and a nut 19 threaded on its opposite end to secure the bolt in position in the frame members.

2

The openings 15 in the frame members are of a diameter substantially greater than the diameter of the bolt or axle 17 while the internal diameter of the openings 16 in the plugs or inserts 14 are substantially equal to the axle so that the axles are supported on the inserts or fillers to absorb shock and with a minimum of play.

Front and rear wheels 20 and 21 are rotatably supported on the central portion of the axles between the pair of frame members 6 and 7 at the front and rear ends, respectively, thereof.

The front portion of the upper surface of the shoe plate 8 is formed with forwardly converging toe-engaging ribs 22 and the rear portion of the shoe plate is likewise formed with rearwardly converging heel-engaging ribs 23. The rear end of the plate 8 is also formed with an upstanding arcuate heel retaining member 24 to prevent rearward sliding movement of a person's foot on the skate and the rivets 11 are also utilized for attaching front and rear straps 25 and 26 to the sides of the chassis for securing the foot on a person on the skate.

In the modified construction shown in Figure 8, an extensible frame is indicated which comprises a pair of telescoping tubular frame members 27 and 28, the outer member 28 being formed with longitudinal slits 29 to permit limited expansion of said member for slidably receiving the member 27. Member 28 is also provided with a transverse bolt and nut 30 slidably engaged in a longitudinal slot 31 in member 27 to secure the members in extensibly adjusted relation with each other.

The shoe plate is also constructed of extensibly adjustable overlapping sections 32 and 33 secured to the respective frame members 27 and 28 for adjustment therewith to adjust the size of the skate.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

A roller skate comprising a chassis frame including a pair of laterally spaced tubular side rods having a shoe plate secured on top thereof, said rods having a pair of downwardly bent inclined and tubular end members extending over the same and telescopically adjustable thereon for extension of said frame, said rods having longitudinal slots therein, and said end members having transverse bolts thereon slidably in said slots for retaining said end members in adjusted position, a wheel mounted between said end members, and an extension plate section slidably adjustable on said shoe plate and attached to said end members for adjustment therewith to adapt the skate for different sizes of shoes.

References Cited in the file of this patent

UNITED STATES PATENTS

60	110,858	Kimball	Jan. 10, 1871
	1,609,612	Eskeland	Dec. 7, 1926
	1,854,188	Gregory	Apr. 19, 1932
	1,996,671	Busby	Apr. 2, 1935
	2,079,185	Schmidt	May 4, 1937
65	2,122,066	Kaptuller	June 28, 1938

FOREIGN PATENTS

	1,049,182	France	Aug. 12, 1953
	21,999	Great Britain	Nov. 14, 1894
70	1894		
	18,312	Great Britain	Oct. 24, 1891
	1891		