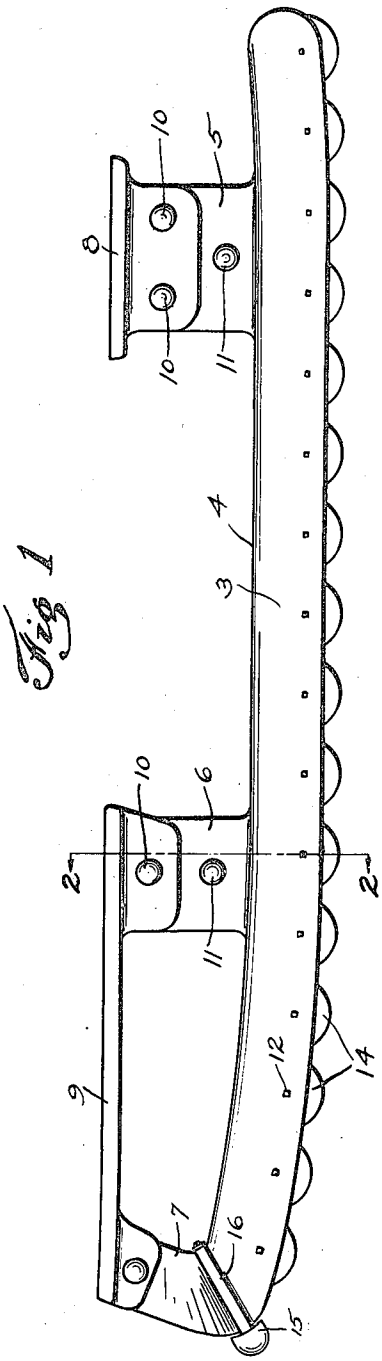
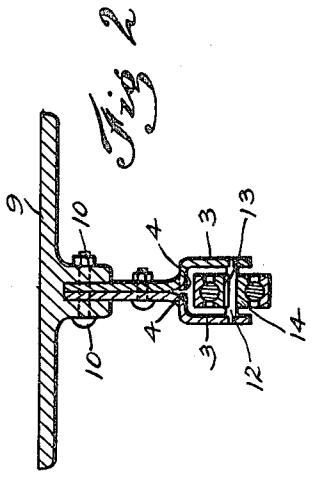
H. PAULSEN.

ROLLER SKATE.

APPLICATION FILED JAN. 13, 1917.

1,268,385. Patented June 4, 1918.





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HARRY PAULSEN, OF NEW YORK, N. Y.

ROLLER-SKATE.

1,268,385. Specification of Letters Patent. Patented June 4, 1918.

Application filed January 13, 1917. Serial No. 142,153.

To all whom it may concern:

Be it known that I, HARRY PAULSEN, a subject of the King of Norway, residing at New York, in the county and State of New York, have invented new and useful Improvements in Roller-Skates, of which the following is a specification.

This invention relates to a roller skate and has as its principal object to provide a skate which resembles an ordinary ice skate and yet is mounted on a plurality of wheels or rollers, enabling its use on surfaces other than ice.

A further object of the invention is to provide a roller skate on which practically all the figures that can be performed on ice skates, may be produced. This involves a contact line with the ground which is bent at different radii at various parts of its length and is obtained in my invention by the use of a comparatively large number of wheels or rollers equally distributed along the bottom edge of the runner which is shaped after the ordinary skate as used for figure skating. These means are amplified by an attachment enabling the performance of pirouettes on the point of the skate.

In the accompanying drawing:

Figure 1 is a side elevational view of my device and Fig. 2 is a cross sectional view thereof, taken on the line 2—2 of Fig. 1.

Similar reference characters designate similar parts in the separate views.

Referring more particularly to the drawing, 3 designates a runner such as ordinarily used in ice skates for figure skating, a pair of such runners being provided for each skate. Their top edges 4 are bent inwardly toward each other and, at the portions 5, 6 and 7, prolonged upwardly to form stays for the heel plate 8 and the sole plate 9 which are attached to the runners in any usual way, such as for instance, in the embodiment shown in the drawing, by bolts and nuts 10. Additional such fastening means, 11, are preferably provided in the rear and center stays, 5 and 6, respectively, to hold the two parts of the runners together when assembled, whereupon the heel and sole pieces may more easily be secured on. Shafts 12 are journaled in the runners 3—3, as shown in the drawing, and non-rotatably mounted thereon, by means of keys 13, are rollers 14, constructed like ordinary ball bearings, the inner rings whereof are rigidly held by the shafts 12 and the outer rings adapted to rotate around the inner rings, by means of the interposed balls.

On the tip or point of the skate I preferably attach a semi-spherical piece of hard rubber, 15, by means of a clamp 16, of any desirable construction, on which piece of hard rubber pirouettes may easily be performed on a non-sliding surface.

It will be understood that while I have thus shown and described the preferred form of embodiment of my invention, I do not wish to be limited to its mechanical details, but may resort to such alterations and modifications as come within the scope of the claims hereunto appended.

I claim:

1. A roller skate having a runner comprising parallel laterally spaced members provided with upward contacting extensions forming supports for toe and heel plates, and a plurality of narrow cylindrical rolls arranged in tandem between the members and projecting only at their lower portions beyond the lower edge of said members.

2. A roller skate having a runner comprising parallel laterally spaced members provided with upward contacting extensions forming supports for toe and heel plates, and a plurality of narrow cylindrical rolls arranged in tandem between the members and projecting only at their lower portions beyond the lower edge of said members, and a tip for a pirouetting axis being carried by the running members in advance of the foremost roller.

3. A roller-skate having laterally spaced members, and a plurality of interposed rollers arranged in tandem, each roller having a fixed body portion secured to the members of the runner, and an annular rim encircling the body portion, and a series of anti-friction balls interposed between the rim and body portion and housed between the runner members.

HARRY PAULSEN.