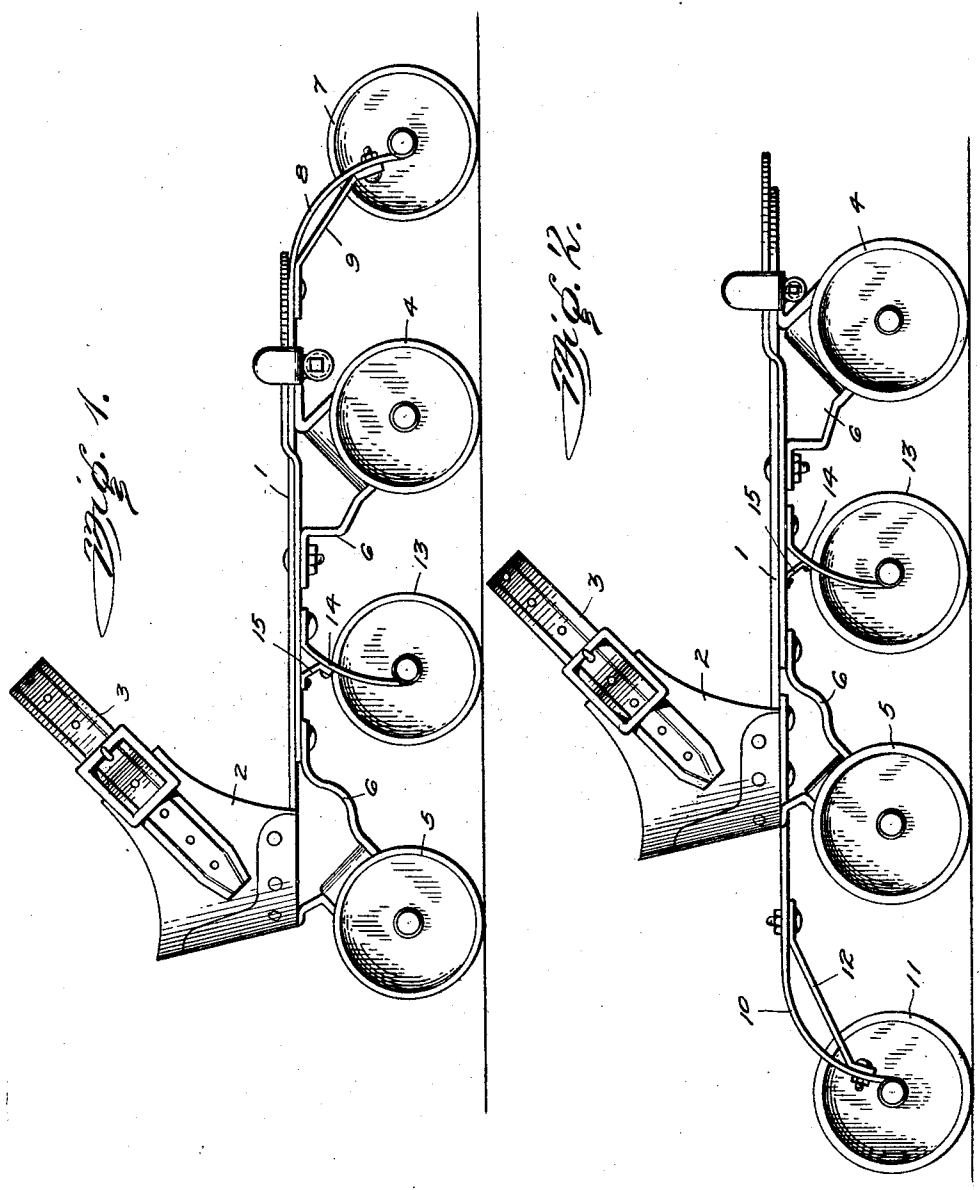


A. L. PORTER.
 ROLLER SKATE.
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1,116,840.

Patented Nov. 10, 1914.



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UNITED STATES PATENT OFFICE.

ALONZO L. PORTER, OF CHICAGO, ILLINOIS.

ROLLER-SKATE.

1,116,840.

Specification of Letters Patent.

Patented Nov. 10, 1914.

Application filed May 20, 1910. Serial No. 562,489.

To all whom it may concern:

Be it known that I, ALONZO L. PORTER, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Roller-Skates, of which the following is a specification.

This invention relates to improvements in roller skates and particularly refers to the construction of a roller skate having auxiliary rollers whereby the ground hollows with which a skate usually contacts will not cause uncomfortable jarring to the skater.

One of the objects of the invention is the construction of a roller skate having a plurality of rollers arranged thereon so as to support the skate on a greater area of ground to prevent the skate from dipping when small hollows are passed over.

With the above and other objects in view the invention comprises certain combinations, constructions and arrangements of parts, clearly illustrated in the accompanying drawings, in which,

Figure 1 is a side elevation showing a skate provided with two extra rollers, one of the rollers being arranged forwardly of the usual forward set and the other roller being arranged between the usual forward and the usual rearward set, Fig. 2 is a side elevation showing a skate provided with two extra rollers, one of the rollers being arranged rearwardly of the usual rearward set and the other roller being arranged between the usual rearward set and the usual forward set.

Referring to the accompanying drawings illustrating the invention 1 denotes the usual shoe supporting plate, the rear end of which is provided with the usual heel shield 2, with which a strap 3 connects to hold the shoe of a skater on the plate 1. The plate 1 is supported on the usual forward rollers 4 and the usual rearward rollers 5, which rollers are connected to the brackets 6, suitably riveted at their upper ends to the underside of the plate 1.

An auxiliary roller 7 is supported on the forward end of the plate 1 by the fork 8, which is connected at its upper end to the plate 1 and is braced by the spring bar 9. The lower end of the forks 8 is bifurcated and curled into rolls or journals to engage and support the outer ends of the shaft of the rollers 7.

The roller 13 is arranged between the roller sets 4 and 5, and supported by the fork 14, which is suitably braced to the underside of the plate 1 by the bar 15.

In Fig. 2, a modification is shown consisting of a skate having the usual parts, described, and the intermediate roller 13 and a rear roller 11, but not the forward extra roller 7. The roller 11 is mounted upon a resilient bearing 10 having a resilient brace 12.

By means of the improved skate a skater can move over small hollows without being subjected to the uncomfortable jarring which is usual to ordinary skates, having a single set of forward and a single set of rearward rollers, supported a considerable distance apart from each other. In the improved skate the distance between the rollers has been decreased, and the auxiliary rollers have been placed a considerable distance from the usual rollers so that the skate will be supported over a much greater area of ground.

Having described my invention I claim:—

1. A roller skate consisting of a rigid supporting plate, a pair of rollers under each end of said plate, a pair of resilient bearings mounted on said plate, one of said bearings projecting outwardly of one end of said plate, and having a roller mounted therein, another single roller mounted upon said other bearing and disposed in alinement with said first single roller, said last bearing being disposed centrally of said plate, all of said rollers adapted to simultaneously engage the ground.

2. A roller skate consisting of a rigid supporting plate, a pair of rollers under each end of said plate, a pair of resilient bearings mounted on said plate, one of said bearings projecting outwardly of one end of said plate, and having a roller mounted therein, another single roller mounted upon said other bearing and disposed in alinement with said first single roller, said last bearing being disposed centrally of said plate, all of said rollers adapted to simultaneously engage the ground, and a resilient reinforcing member for one of said bearings.

3. A roller skate consisting of a rigid shoe supporting plate, a pair of rollers depending from each end of said plate, a resilient bearing projecting outwardly of one end of

said plate and having a single roller mounted therein, another resilient bearing and another single roller mounted in the last bearing, said single rollers being in alinement with one another, all of said rollers adapted to simultaneously engage the ground.

In testimony whereof I affix my signature in presence of two witnesses.

ALONZO L. PORTER.

Witnesses:

LESTER A. PORTER,

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."