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2,479,255

ROLLER SKATE

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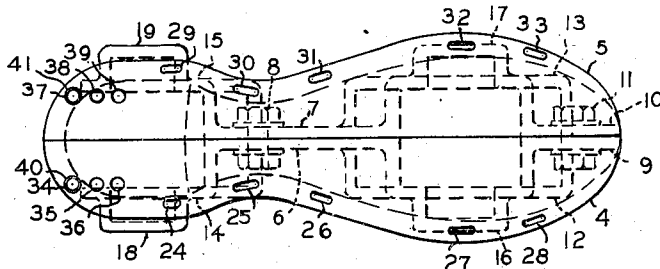


FIGURE 1.

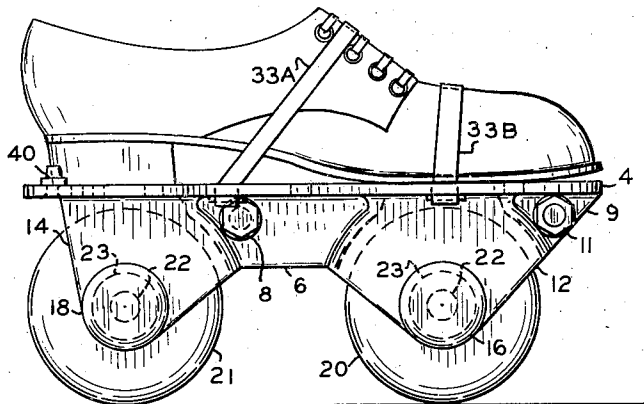


FIGURE 2.

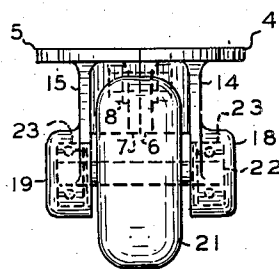


FIGURE 3.

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ROLLER SKATE

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2 Claims. (Cl. 280—11.23)

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This invention relates to an improvement in roller skates and more particularly to a novelty design of simplicity, strength and performance.

An object of the present invention is to provide a shoe supporting member divided lengthwise having a pair of bearing housings mounted below each portion of the divided member to receive axles and bearings therein and rollers therebetween, and means to hold the portions of the divided member together.

Another object of the present invention is to provide a roller on the center of the length of an axle as applied to roller skates with bearings on each end thereof to strengthen and stabilize the roller.

Another object of the present invention is to provide a shoe supporting member with adjustable heel stops or pins to position the heel of a shoe thereon.

Another object of the present invention is to provide holes in the shoe supporting member adapted to receive and support the ends of straps, nylon cords or the like by means of pins, ties or knots in the ends of the cords.

In the drawings:

Figure 1 is a plan view of the shoe supporting divided member.

Figure 2 is a longitudinal elevation of the improved roller skate illustrating a shoe strapped thereon.

Figure 3 is a rear elevation of the roller skate.

The divided shoe supporting member consists of a right portion 4 and left portion 5, beams 6 and 7 connected to portions 4 and 5 respectively, and bolted together by bolt 8. Lugs 9 and 10 are connected to the front end of the roller skate shoe supporting member portions 4 and 5 respectively and are bolted together by bolt 11.

The front roller shield halves 12 and 13 are positioned between beams 6 and 7 and lugs 9 and 10 respectively and connect to the shoe supporting member portions 4 and 5 respectively. The rear roller shield halves 14 and 15 connect to beams 6 and 7 respectively and shoe supporting member portions 4 and 5. Each of the shield halves 12, 13, 14 and 15 has a cup-shaped bearing housing 16, 17, 18 and 19 respectively with the cups 16 and 18 opening toward cups 17 and 19 respectively, the cups and shield halves being spaced apart to receive rollers 20 and 21. The rollers 20 and 21 are mounted on like axles 22 on the center of the length thereof with anti-friction bearings 23 supporting the ends of the axles and the anti-friction bearings 23 being mounted in the cup-shaped bearing housings.

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The rollers are fastened to the axles by any of the well known means of keys, set screws, or welding, not shown and may have rubber, composition or steel tires as desired.

5 The shoe supporting member portions 4 and 5 are provided with multiple openings 24, 25, 26, 27, 28 and 29, 30, 31, 32 and 33 respectively for straps 33a and 33b or cord connections of any of the well known types to hold a shoe fast to the supporting member. The straps may be divided and have buckles of common construction or if cords are used they may be tied as one would tie a shoestring.

10 Holes 34, 35 and 36 in supporting member portion 4 and holes 37, 38 and 39 in supporting member portion 5 are provided to receive heel stop pins 40 and 41 respectively. The extra holes are provided for adjustment of the pins and the number of the holes and slots in the portions 4 and 5 may be increased or decreased as desired.

15 In the assembly the rollers 20 and 21 are secured to the axles 22 on the center of the length thereof preferably by means of welding, not illustrated, and anti-friction bearings 23 are placed on the ends of the axles, the two shoe supporting member portions 4 and 5 having their cup-shaped housings 16, 17, 18 and 19 slipped over the anti-friction bearings 23. The portions 4 and 5 are pressed together and bolted by means of the two bolts 8 and 11, straps 33a and 33b or cords are provided for shoe fastenings and the heel stop pins 40 and 41 are positioned in the holes of portions 4 and 5 to prevent the heel of a shoe from slipping.

20 The novelty, obvious simplicity and rugged design of this roller skate is believed to excel all past constructions of roller skates that have been made for many years.

25 What I claim as new and desire to secure by Letters Patent is:

30 1. A pair of longitudinal shoe supporting members butted together, a longitudinal beam member formed on each shoe supporting member and projecting downward therefrom on the parting line thereof, a segment of a cup shaped shield member being formed on each end of said beams and projecting downwardly from said longitudinal shoe supporting member and outward from said beam members to form roller shields, a cup shaped member formed on each of said shields projecting outward therefrom with the inside of each cup facing inwardly toward the parting line of said longitudinal shoe supporting members, and said cups arranged in pairs to support anti-

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friction bearings mounted on axles having rollers thereon.

2. A pair of longitudinal shoe supporting members butted together and having a parting line therebetween, a longitudinal beam member formed on each shoe supporting member and projecting downward therefrom on the parting line thereof, a segment of a cup shaped shield member being formed on each end of said beams and projecting downwardly from said longitudinal shoe supporting member and outward from said beam members to form roller shields, a cup shaped member formed on each of said shields projecting outward therefrom with the inside of each cup facing inwardly toward the divided line of said longitudinal shoe supporting members, a pair of axles, a roller on each axle, an anti-friction bearing on each end of each axle, said cups being closed over said anti-friction bearings

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when said longitudinal shoe supporting members are brought together, and means to fasten said longitudinal shoe supporting members together.

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