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[73] Assignee: The Raymond Lee Organization, Inc., New York, N.Y. ; a part interest

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Attorney, Agent, or Firm—Howard I. Podell

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[51] Int. Cl.²..... A63C 17/18

[58] Field of Search..... 280/11.23, 7.13, 11.22,
280/11.19, 11.25

[57] ABSTRACT

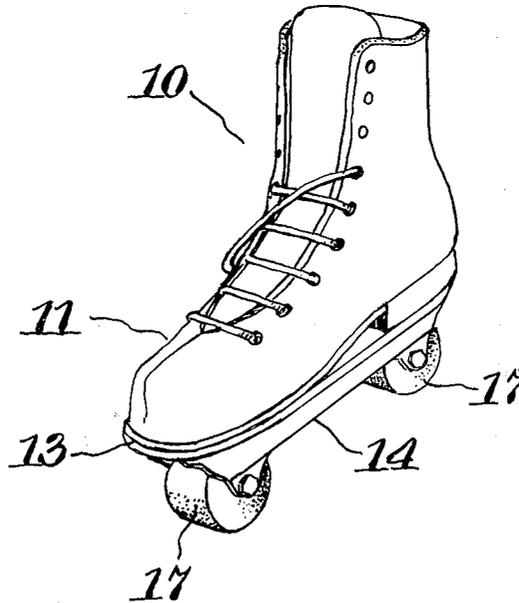
A skate shoe which can be fitted with an ice skate blade or alternately fitted with two or four roller skate wheels.

[56] References Cited

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4 Claims, 5 Drawing Figures



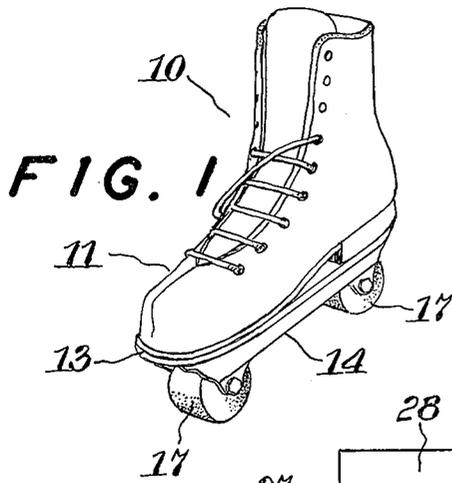


FIG. 1

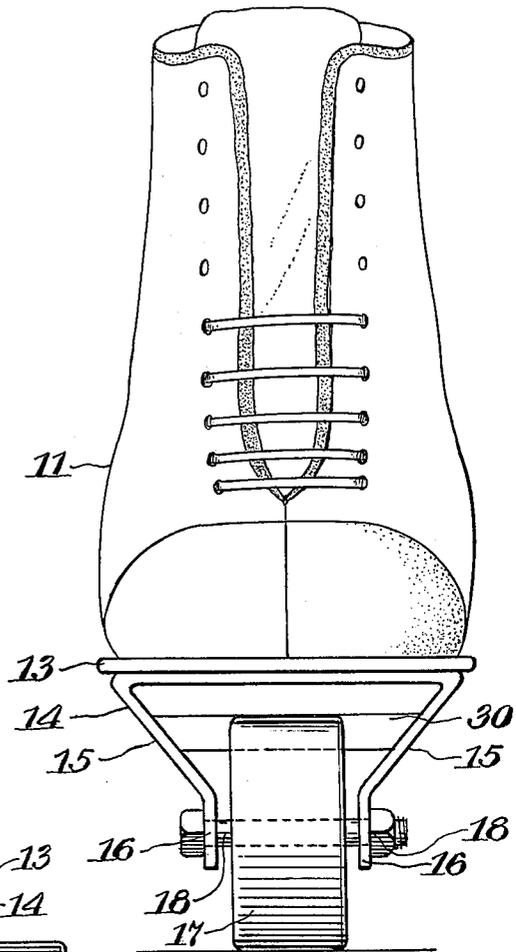


FIG. 2

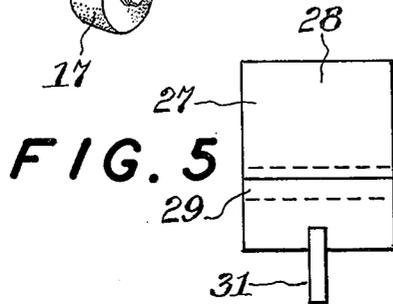


FIG. 5

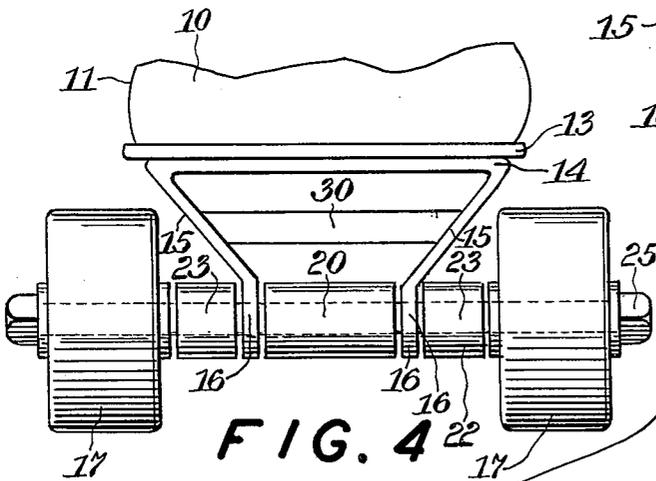


FIG. 4

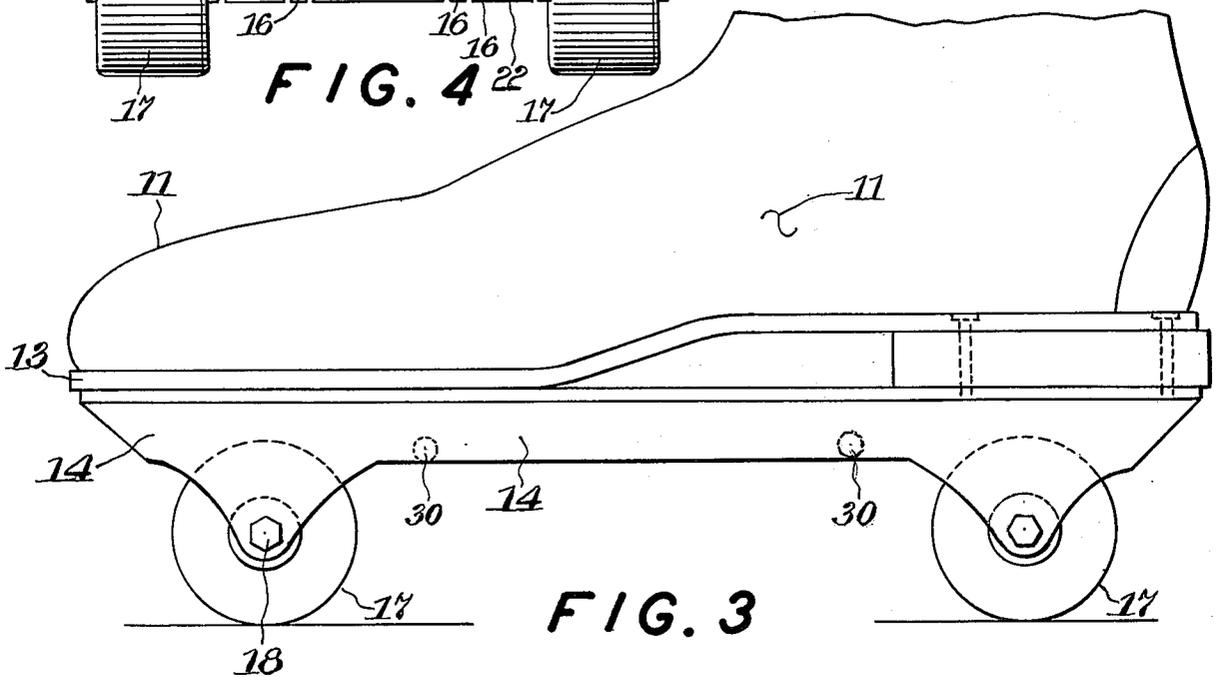


FIG. 3

1
SKATE

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SUMMARY OF THE INVENTION:

My invention relates to a skate shoe which can alternately serve as ice skate, a two-wheel roller skate or a four-wheel roller skate. The frame of the skate shoe accepts an ice skate blade adapter or an adapter mechanism which forms either a four or two wheel roller skate.

BRIEF DESCRIPTION OF THE DRAWING:

The objects and features of the invention may be understood with reference to the following detailed description of an illustrative embodiment of the invention, taken together with the accompanying drawings in which:

FIG. 1 illustrates a perspective view of the invention employed as a two wheel roller skate;

FIG. 2 illustrates a front view of the invention in the form of a two-wheel skate;

FIG. 3 illustrates a side view of the invention in the form of a two-wheel skate;

FIG. 4 illustrates a front view of the invention in the form of a four-wheel skate; and

FIG. 5 illustrates a front view of the ice blade adapter.

DESCRIPTION OF THE PREFERRED EMBODIMENT:

Turning now descriptively to the drawings, in which similar reference characters denote similar elements throughout the several views, FIGS. 1-3 show the skate 10 adapted to serve as a two-wheel roller skate. A skate shoe 11 is fastened to a sole plate 13 integrally fitted with a center channel flange member 14. Flange member 14 is of the general configuration of an inverted U-section with the opposing walls 15 joined together by reinforcement strip 30, and the free ends 16 of the flange member 14 lying in parallel planes.

Two axles 18 in the form of bolts fasten the two wheels 17 of the skate between channel walls 16 through aligned holes in the bracket 14.

As shown in FIG. 4, the skate 10 may be readily fitted with four skate wheels 17, with each pair of skate wheels 17 mounted on a bolt axle 25 fitted with a spacer 20 which rides between channel walls 16 and two spacers 23, each of which is located between a skate wheel 17 and a channel wall 16.

Alternately all wheels 17 may be removed and an ice blade adapter 27 bolted between walls 16 of channel member 14 as shown in FIG. 5. Adapter 27 is fitted with lateral holes 29 which align with the attachment holes of channel member 14 and is in the shape of a block 28 of rectangular cross-section to which a projecting ice skate blade 31 is permanently fastened.

Since obvious changes may be made in the specific embodiment of the invention described herein, such modifications being within the spirit and scope of the invention claimed, it is indicated that all matter contained herein is intended as illustrative and not as limiting in scope.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. A skate shoe which may be alternately fitted with either two or four roller skate wheels or with an ice skate blade comprising

a shoe, a sole plate fastened to the underside of the shoe which is formed as an open channel member together with a set of attachable roller skate wheels and an attachable ice blade assembly that may be interchangeably fastened to the channel member, said channel member formed with a flat plate section of the general width of the shoe that is mounted adjacent the underside of the shoe with a flange section integrally joined to each of the opposed lateral sides of the flat plate section, said flange sections each bent at an acute angle to the said flat plate section, with each said flange section bent at its free end to form a support wall section that lies in a plane perpendicular to the plane of the flat plate section, said support wall sections being spaced apart by a relatively uniform distance and fitted with mounting holes through which the axles of skate wheels or bolts fastening the attachable ice blade assembly may be mounted,

said flange sections joined together by a support bar spaced from the flat plate section, oriented with the bar axis generally parallel to the plane of the said flat plate section, which support bar serves to maintain the flange sections and attached support walls in a fixed spaced relation to each other.

2. The combination as recited in claim 1 in which a block fastened to an ice skate blade is fastened between the walls of the channel member.

3. The combination as recited in claim 1 in which two roller skate wheels each rotatably mounted on an individual axle are each fastened by their axles between the walls of the channel member.

4. The combination as recited in claim 1 in which four roller skate wheels, each pair of which are rotatably fastened to an individual axle are mounted by their axles to the channel member so that each wheel is located externally of the channel member, together with a spacer mounted on each axle located between the walls of the channel member.

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