

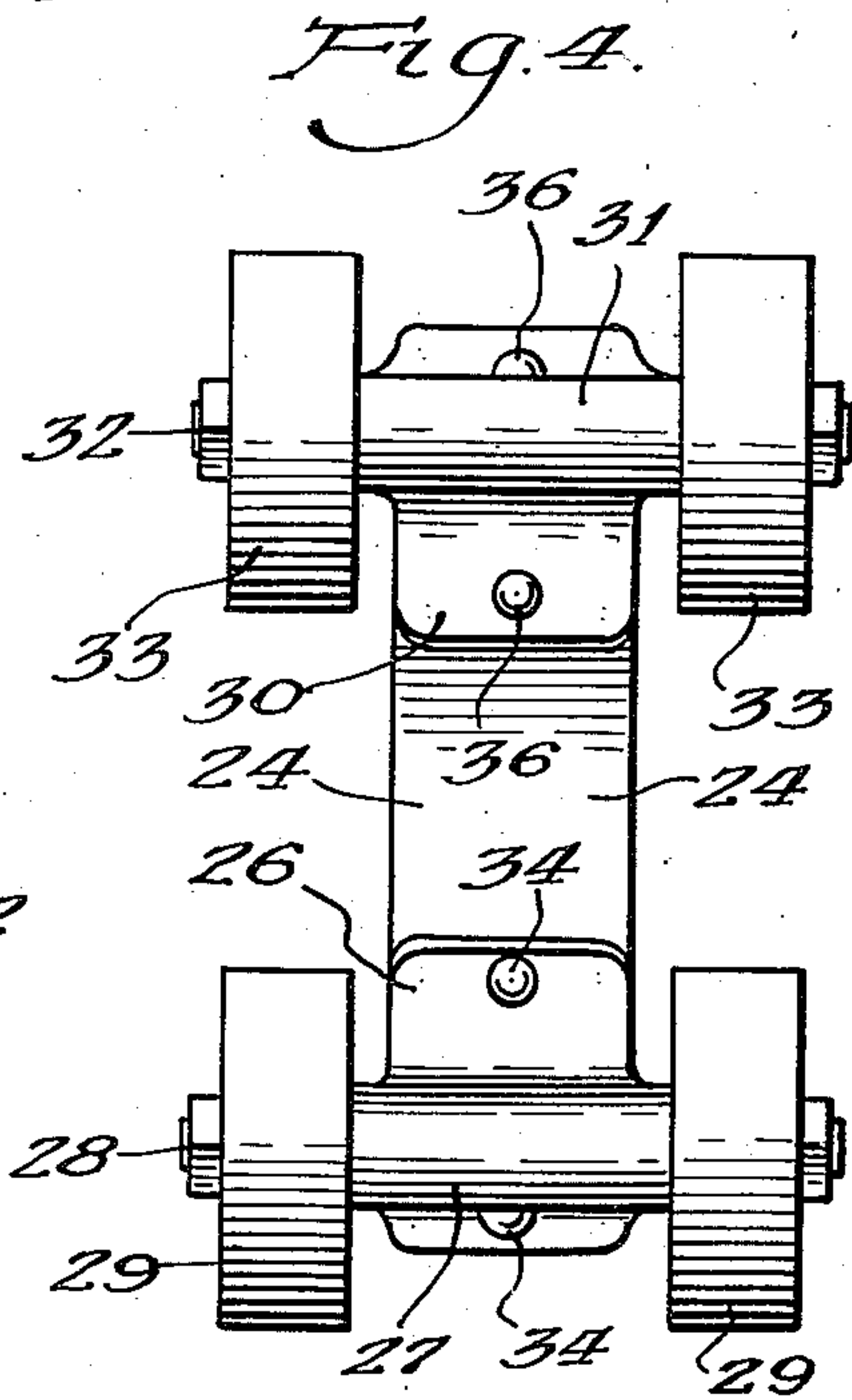
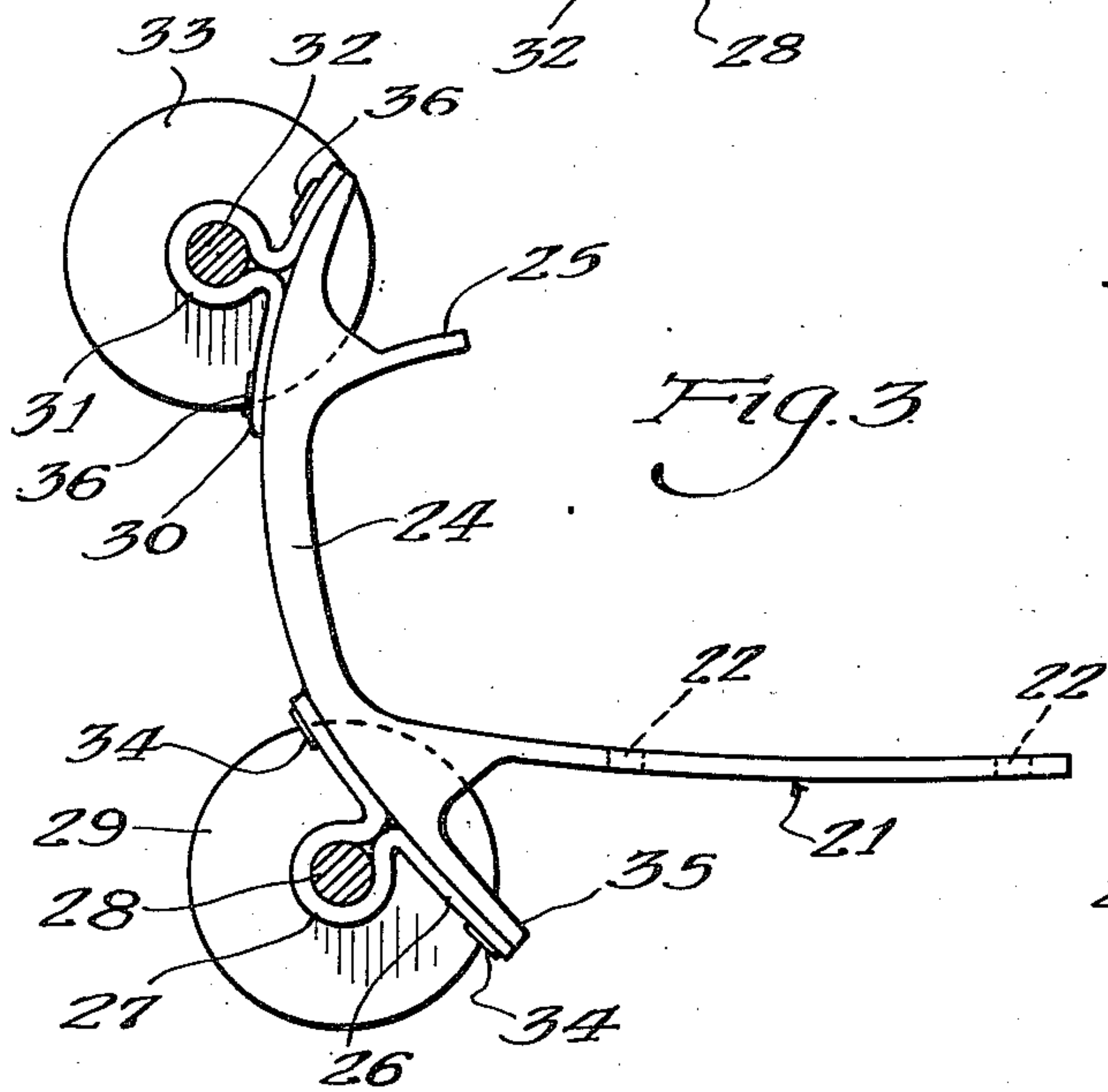
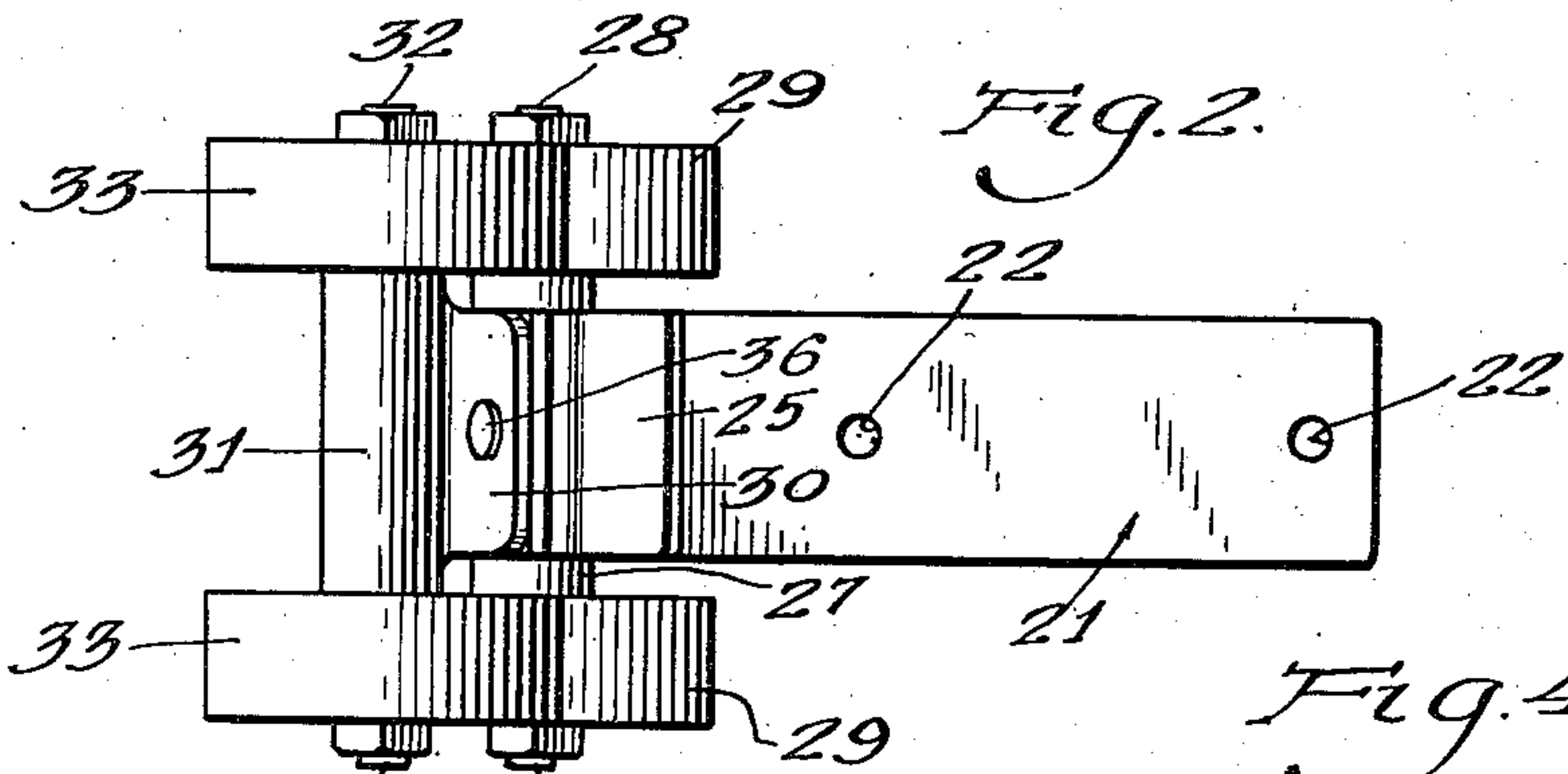
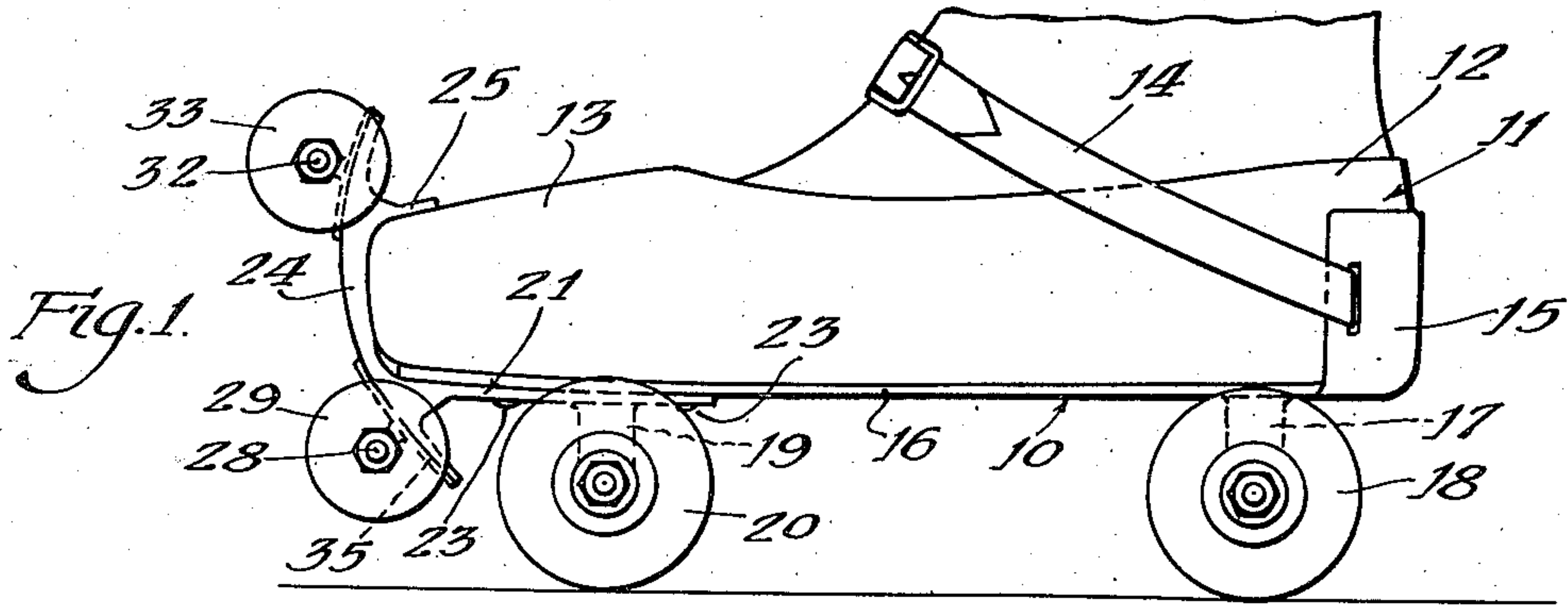
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C. PHARES

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ROLLER SKATE

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Inventor:
By: Constance Phares
Wallace and Cannon
Attorneys

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ROLLER SKATE

Constance Phares, Chicago, Ill.

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6 Claims. (Cl. 280—11.19)

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This invention relates to roller skates.

An object of the present invention is to provide a new and improved roller skate having pairs of spaced main rollers mounted on the bottom thereof for use in normal roller skating and having pairs of spaced auxiliary or toe rollers mounted on the toe portion of the new roller skate whereby the skater may normally roller skate upon the said spaced main rollers with the auxiliary or toe rollers disposed out of contact with the roller skating surface or selectively roller skate upon the auxiliary or toe rollers with the said main rollers disposed out of contact with the said roller skating surface.

Another object of the invention is to provide a novel roller skate construction in the use of which the roller skater may do toe roller skating while standing and being supported upon her toes, with her feet in upright position, after the manner of and somewhat in simulation of toe dancing.

Other and further objects of the present invention will be apparent from the following description and claims and are illustrated in the accompanying drawing which, by way of illustration, shows a preferred embodiment of the present invention and the principles thereof and what I now consider to be the best mode in which I have contemplated applying these principles. Other embodiments of the invention embodying the same or equivalent principles may be used and structural changes may be made as desired by those skilled in the art without departing from the present invention and the purview of the appended claims.

In the drawing:

Fig. 1 is a side elevational view showing a roller skate embodying a preferred form of construction of the present invention;

Fig. 2 is an enlarged top plan view of the new auxiliary or toe roller supporting member which is embodied in the new roller skate construction;

Fig. 3 is a side elevational view of the auxiliary or toe roller supporting member shown in Fig. 2; and

Fig. 4 is a front elevational view of the new roller skate construction shown in Figs. 2 and 3.

A preferred embodiment of the new roller skate construction is shown in the drawing, wherein it is generally indicated at 10, and is shown as being employed in conjunction with a roller skating shoe 11. The shoe 11 is particularly adapted for use with the new roller skate construction and so as to enable the roller skater to roller skate while supported upon her toes,

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somewhat after the manner of, and in simulation of, toe dancing. The shoe 11 may be of any suitable construction but is shown as being of a type similar to the shoes used by dancers in toe dancing and includes a heel portion 12, a soft sole (not shown), a toe portion 13, and a suitable ankle strap 14. The ankle strap 14 may be fastened in any suitable manner as, for example, to a heel rest 15 which is formed as an integral extension of a metallic sole plate and main roller supporting member 16 which may be made of any suitable metal such as aluminum, iron or the like.

The combination sole plate and main roller supporting member 16 may be attached in any suitable manner to the sole of the shoe 11, as by means of rivets or other suitable fastening elements, not shown. Rear roller supporting bearing brackets 17 are attached to the main roller supporting member 16 and have spaced rear main rollers 18 rotatably mounted or journaled therein. Similarly, front roller supporting bearing brackets 19 are attached to and depend from the combination sole plate and main roller supporting member 16 and have front main rollers 20 rotatably mounted or journaled therein.

The present invention includes an auxiliary roller supporting member 21 which may be made of any suitable material, such, for example, as aluminum or cast iron or like metal, and is provided with a pair of spaced holes 22 through which suitable fastening elements such as screws or rivets 23 may be inserted to detachably or permanently fasten the auxiliary supporting member 21 to the front portion of the combination sole plate and main roller supporting member 16.

The auxiliary roller supporting member 21 includes a somewhat arcuate-shaped or curved toe portion or extension 24 which, in use, extends around the front of the toe portion 13 of the shoe 11. This curved toe portion 24 has an arm 25 which is adapted to extend over and to embrace the top or upper surface of the toe portion 13 of the shoe 11, as best shown in Fig. 1.

A bearing bracket 26 is attached, in any suitable manner, as by means of fastening rivets 34, to the lower end portion 35 of the curved arm 24. This bearing bracket 26 has a bearing or journal portion 27 in which a shaft 28 is rotatably journaled and this shaft 28 has a pair of spaced auxiliary or toe rollers 29 mounted thereon.

Similarly, the upper end portion of the curved arm 24 has a bracket 30 attached thereto, in any

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suitable manner, as by means of rivets 36, and this bearing bracket 30 has a bearing or journal portion 31 in which a shaft 32 is rotatably journaled. A second pair of spaced auxiliary or toe rollers 33 are mounted on the shaft 32.

In the use of the new roller skate construction the skater may roller skate normally over a roller skating surface upon the main rollers 18 and 20 and during this time the auxiliary or toe rollers 29 and 33 are disposed out of contact with the roller skating surface.

However, when the skater desires to do roller skating while supported upon her toes, somewhat after the manner of and in simulation of toe dancing, this may be readily accomplished in the use of the new roller skate construction by the act of the roller skater lowering the auxiliary or toe rollers 29 and 33 into contact with the roller skating surface and supporting herself thereon with her feet in upright position in the shoes 11. When in this position the main rollers 18 and 20 are disposed out of contact with the roller skating surface and the roller skater is thus enabled to do toe roller skating while supported entirely by the auxiliary or toe rollers 29 and 33.

It will thus be seen from the foregoing description, considered in conjunction with the accompanying drawing, that the present invention provides a novel roller skate construction having the desirable advantages and characteristics, and accomplishing its intended objects including those hereinbefore pointed out and others which are inherent in the invention.

I claim:

1. A roller skate construction comprising a main roller-supporting member including a portion adapted to be attached to the sole of a roller skating shoe, said main roller-supporting member having pairs of spaced main rollers rotatably mounted thereon, and an auxiliary or toe roller-supporting member including a portion attached to the said main roller-supporting member and a portion adapted to extend forwardly of the front of the toe portion of the said roller skating shoe, said auxiliary or toe roller-supporting member having spaced pairs of auxiliary or toe rollers rotatably mounted thereon, whereby in the use of the said roller skate construction the user of the said roller skate construction may selectively roller skate on the said main rollers with the said auxiliary or toe rollers disposed out of contact with the roller skating surface over which the roller skater is traveling or the said roller skater may roller skate upon the said auxiliary or toe rollers with the said main rollers disposed out of contact with the said roller skating surface.

2. A roller skate construction as defined in claim 1 in which the said auxiliary or toe roller-supporting member includes an arm adapted to project over and to embrace the top of the said toe portion of the said roller skating shoe.

3. A roller skate construction as defined in claim 1 in which the said auxiliary or toe roller-supporting member includes an arm adapted to

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project over and to embrace the top of the said toe portion of the said roller skating shoe, and in which the said auxiliary or toe roller-supporting member includes a downwardly extending arm adapted to project under the toe portion of the said shoe and having one of the two said pairs of auxiliary or toe rollers rotatably mounted thereon.

4. A roller skate construction as defined in claim 1 in which the said auxiliary or toe roller-supporting member includes an arm adapted to project over and to embrace the top of the said toe portion of the said roller skating shoe, and in which the said auxiliary or toe roller-supporting member includes a downwardly extending arm adapted to project under the toe portion of the said shoe and having one of the two said pairs of auxiliary or toe rollers rotatably mounted thereon, and in which the said auxiliary or toe roller-supporting member includes an upwardly extending portion adapted to project above the toe portion of the said shoe when the said shoe is in horizontal position and in which the other pair of said rollers are rotatably mounted upon the said upwardly extending portion of the said auxiliary or toe roller-supporting member.

5. In a roller skate which includes pairs of spaced main rollers, an auxiliary or toe roller-supporting member including a portion adapted to be mounted on a roller skate shoe at the front thereof, said auxiliary or toe roller-supporting member including a portion adapted to extend substantially vertically across the front of the toe portion of a roller skate shoe and having pairs of spaced auxiliary or toe rollers rotatably mounted thereon and on which the roller skater may roller skate upon a roller skating surface while supported in upright position on his or her toes and with the said main rollers disposed out of contact with the said roller skating surface.

6. A roller skate as defined in claim 5 in which the said auxiliary or toe roller-supporting member includes a rearwardly extending arm adapted to extend over and to embrace the top of the toe portion of the said roller skate shoe and in which the one of the said pairs of auxiliary or toe rollers is mounted on the said auxiliary or toe roller-supporting member above the said rearwardly extending arm and in which the said auxiliary or toe roller-supporting member includes a downwardly extending arm adapted to extend under the portion of the said roller skate shoe and in which the other of the said pairs of auxiliary or toe rollers is rotatably mounted on the said downwardly extending arm of the said auxiliary or toe roller supporting member.

CONSTANCE PHARES.

REFERENCES CITED

The following references are of record in the file of this patent:

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Number	Name	Date
2,400,535	Celmer	May 21, 1946