

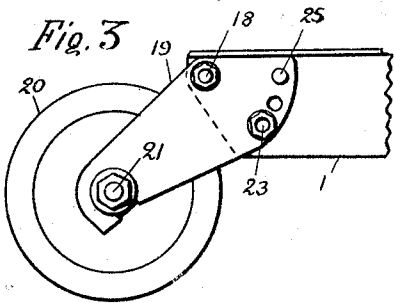
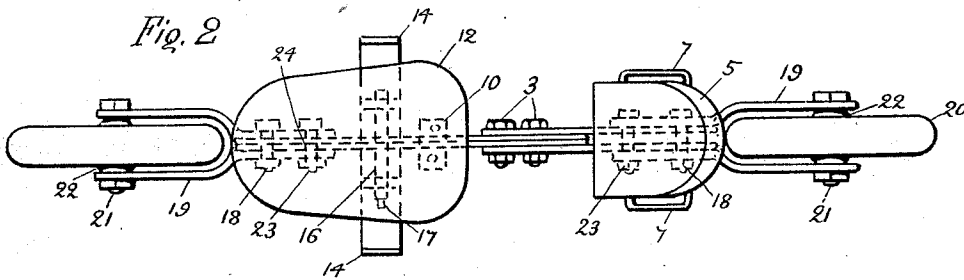
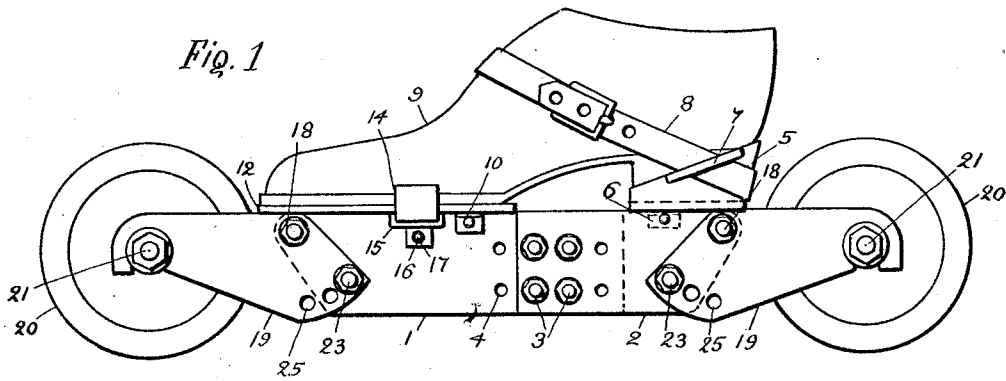
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1,534,601

M. N. MATVEYEFF

ROLLER SKATE

Filed June 16, 1924



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UNITED STATES PATENT OFFICE.

MICHAEL NICKEFOR MATVEYEFF, OF NEW HAVEN, CONNECTICUT.

ROLLER SKATE.

Application filed June 16, 1924. Serial No. 720,316.

To all whom it may concern:

Be it known that I, MICHAEL N. MATVEYEFF, citizen of Russia, and resident of New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Roller Skates, of which the following is a specification.

My invention relates to roller skates and has a particular reference to skates employing two wheels for each foot.

The object of my invention is to provide roller skates which can be adjusted for different sizes of feet, and which can be made higher or lower according to the preference of the user of the skates.

With ordinary skates it is necessary to manufacture a large variety of different sizes, also a variety of shapes for different feet; with my skates, however, only one size can be manufactured, and it can be then adjusted in length for different feet. The wheels can be also made higher or lower.

My invention is more fully described in the accompanying specification and drawing in which—

Fig. 1 is a side elevation of my skate, Fig. 2 is a plan view of same, and Fig. 3 is a partial elevation of the skate shown in Fig. 1 with the wheels lowered.

My skate consists of a frame composed of a front portion 1 and a rear plate 2, connected together with bolts 3. The holes for the bolts are spaced equally apart, and additional holes 4 are provided in the alignment with the bolts 3, so that the skate can be made longer or shorter by connecting the frame parts 1 and 2 with different bolt holes. The rear portion 2 has a heel rest 5 attached on top with angles or brackets 6 riveted to the frame part 2. The heel rest is made in the form of a box with ears 7 for a strap 8 which is used for fastening the skater's foot around the instep of the shoe 9.

The front plates of the frame are provided with lugs or angles 10 supporting a foot plate 12. It is provided with a shoe clamp of an ordinary construction and consisting of hooks 14 which can slide in guides 15 under action of a screw 16 with a square head 17 adapted to be operated by a special key (not shown).

The front and rear end of the frame are provided with pivots or bolts 18 supporting wheel brackets 19. Each bracket consists of two plates embracing the wheels 20 and bolt-

ed to the wheel axles 21. The axles 21 are placed inside of the wheel bearings 22 which may be of any ordinary type.

The brackets 19 can swing around the pivots 18 between the horizontal position, as shown in Fig. 1 (low skate) and an angular position, Fig. 5 (high skate). In each of these positions the bracket can be locked by means of locking bolts 23 passing through holes 24 in the frame and through one of the series of holes 25 in the brackets, these holes 25 being arranged on an arc of a circle, the center of which lies in the center of the pivot 18.

Important advantages of my skates are that they can be adjusted for different feet, can be adjusted as to their height, are simple in construction, consisting of simple stampings, and develop very little friction, allowing also the use of comparatively large wheels, so that a high speed can be attained.

I claim as my invention:

1. In a roller skate, the combination with a frame, means to attach said frame to the skater's shoe, a wheel supported in front of said frame, a second wheel supported in the rear of said frame, means to adjust the length of said frame, and means to adjust the height of said wheels in relation to said frame.

2. In a roller skate, the combination with a frame, means to attach said frame to the skater's shoe, wheels in front and in the rear of said frame, supporting brackets for said wheels pivotally connected with said frame, and means to lock said supporting brackets in different angular positions in relation to said frame.

3. In a roller skate, the combination with a frame, means to attach said frame to the skater's shoe, wheels in front and in the rear of said frame, supporting brackets for said wheels pivotally connected with said frame and provided with a plurality of holes arranged in an arc of a circle concentric with said pivot points, and bolts adapted to be placed selectively in said holes passing also through corresponding holes in said frame thereby clamping said brackets to said frame in a desired angular position in relation to said frame.

Signed at New Haven in the county of New Haven and State of Connecticut this 10 day of June, A. D., 1924.

MICHAEL NICKEFOR MATVEYEFF.