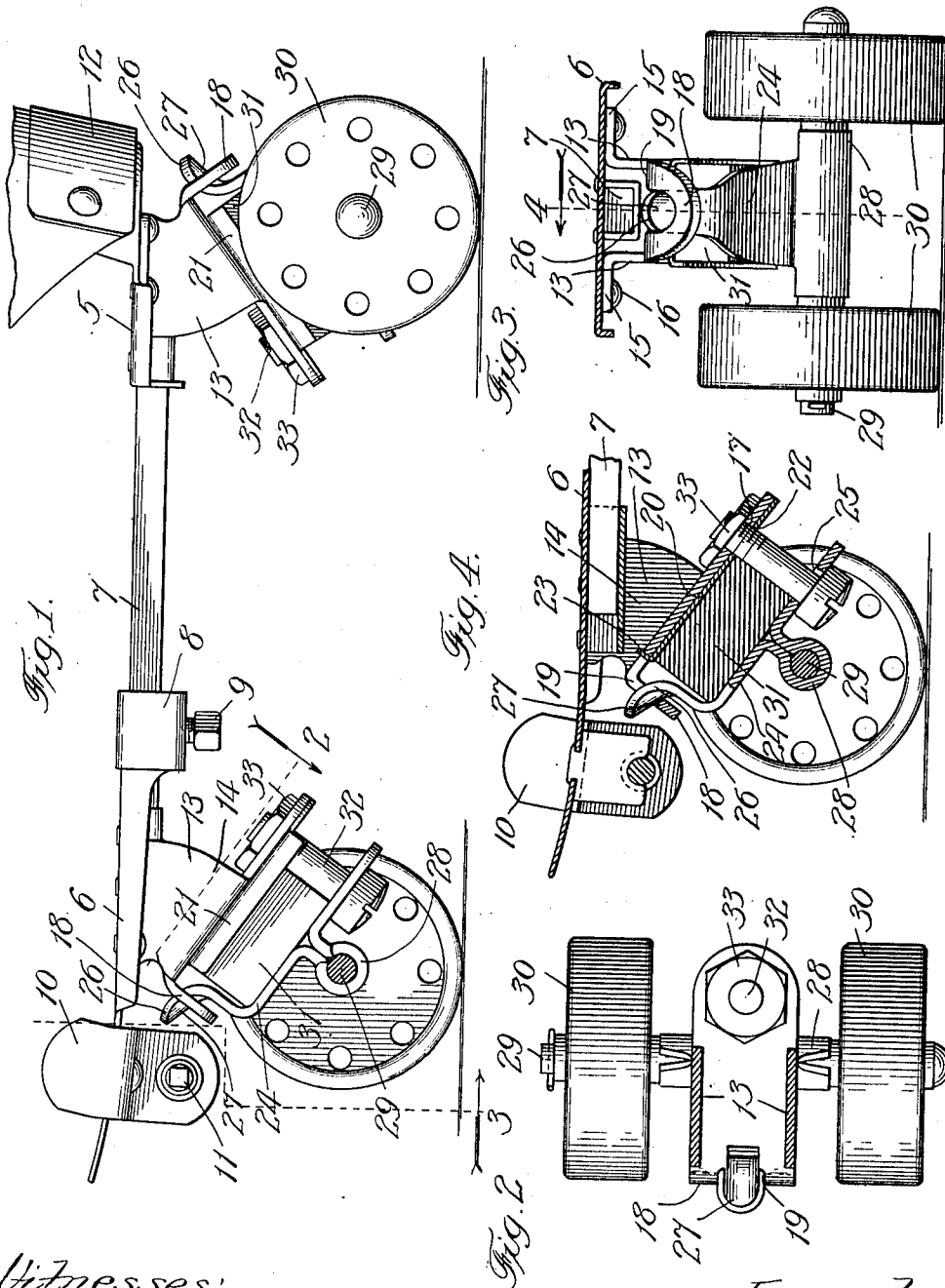


E. C. KOHLER.
 ROLLER SKATE.
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UNITED STATES PATENT OFFICE.

EDWARD C. KOHLER, OF OAK PARK, ILLINOIS.

ROLLER-SKATE.

1,020,989.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWARD C. KOHLER, a citizen of the United States, residing at Oak Park, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Roller-Skates, of which the following is a specification.

My invention relates to roller-skates of the type in which the wheels are supported on trucks so constructed as to permit of the cushioning of the wheels and the tilting of the trucks transversely of the skate; and more particularly to the construction of the trucks and the means for securing them to the body-portion of the skate, my object being to simplify the construction of this part of the skate and reduce the cost of manufacture thereof.

Referring to the accompanying drawing—Figure 1 is a view in side elevation of a roller-skate constructed in accordance with my invention, one of the rollers of the front pair thereof being removed. Fig. 2 is a section taken at the line 2 on Fig. 1 and viewed in the direction of the arrow. Fig. 3 is a section taken at the line 3 on Fig. 1 and viewed in the direction of the arrow; and Fig. 4, a section taken at the line 4 on Fig. 3 and viewed in the direction of the arrow, this view showing the front-end portion of the skate.

The construction of roller-skates in connection with which I have chosen to illustrate my invention is of the adjustable foot-plate type involving a heel-section 5 and a toe-section 6 adjustably connected together by a rod 7 which is secured to the heel-section 5 and is adjustable in a socket 8 carried by the section 6, through the medium of a set-screw 9. The toe-portion of the skate is provided at opposite sides with toe-clamps 10 which are adjustable transversely of the foot-plate, through the medium of an adjusting screw 11, as is usual in skate constructions, and the heel-section 5 is provided with the means represented in part at 12 which are usually employed for releasably securing the skate at its rear end to the heel of a shoe.

Secured to the under side of the sections 5 and 6 of the foot-plate are depending brackets 13, each of these brackets comprising a U-shaped member 14 provided with outwardly-turned flanges 15 which seat against the under sides of the sections 5 and 6 respectively, and are secured thereto by rivets

16. Each of the brackets 13 contains, at one end thereof, an opening 17 and at its opposite end is provided with a downwardly-turned lug 18 provided with an aperture 19. Fitting flatwise against the under side of each of the brackets 13 is a plate 20 which is provided at its lateral edges with downwardly-turned flanges 21, each of these plates containing at one end an opening 22 registering with the opening 17 in the adjacent bracket and at its opposite end provided with an upwardly-turned lug 23 which extends through the opening 19 in the bracket 13. Coöperating with the brackets 13 and plates 20 are plates 24 which are spaced from the plates 20 and are provided with openings 25 registering with the openings 17 and 22 and with upwardly and outwardly bent lugs 26 which preferably present curved bearing surfaces 27, these lugs extending through the apertures 19 in the adjacent lugs 18, and bearing at their surfaces 27 against the bottom walls of these openings. The plates 24 are provided on their under sides with strap-sections 28 through which the axles 29 supporting the wheels 30 extend, for securing these axles to the respective plates 24, and confined between the plates 24 and the plates 21 are blocks 31 of cushioning material, such as rubber. The blocks 31 are held in place and the plates 24 are adjustable toward and away from the plates 21 for regulating the compression of the blocks 31 and consequently regulating the resistance afforded thereby to forces tending to tilt the plates 24 and the parts carried thereby, by means of adjusting bolts 32, which extend through the alining openings 25, 22 and 17, and carry nuts 33 on their threaded ends which bear against the upper sides of the brackets 13 as illustrated in the drawing.

It will be noted from the foregoing that a skate embodying my invention is simple of construction, may be economically manufactured, and the parts thereof readily assembled.

What I claim as new, and desire to secure by Letters Patent, is—

In a roller-skate, the combination of a foot-plate, a U-shaped bracket secured at its side-sections to said foot-plate and depending therefrom, said bracket being provided at one end, intermediate said side-sections, with an integral depending apertured lug, a laterally-flanged plate on the under side

of said bracket and held against lateral movement, a plate below said bracket and spaced therefrom and provided at one end with an upwardly-extending pivot-lug integral therewith and projecting into the aperture in said bracket-lug and containing an opening in its opposite end, a block of resilient material interposed between said plates, means extending through the opening in said last-named plate, and trans-

versely through said bracket and said first-named plate for holding together said plates, bracket and block, and rollers operatively connected with said last-named plate, for the purpose set forth.

EDWARD C. KOHLER.

In presence of—

A. U. THORIEN,

R. A. SCHAEFER.

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