

No. 864,622.

PATENTED AUG. 27, 1907.

B. DOMIS.
ROLLER SKATE.

APPLICATION FILED MAY 2, 1907.

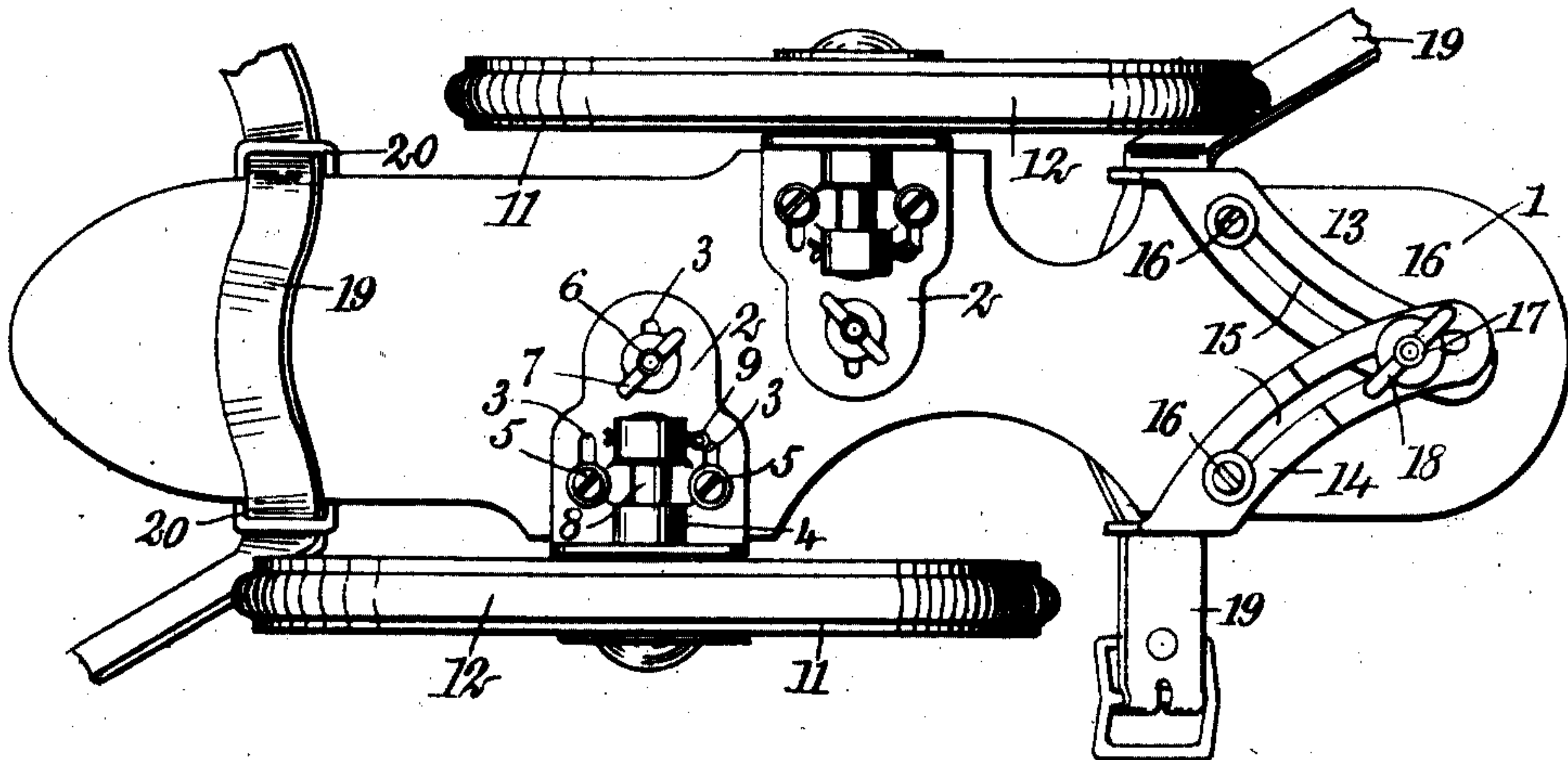


Fig. 2.

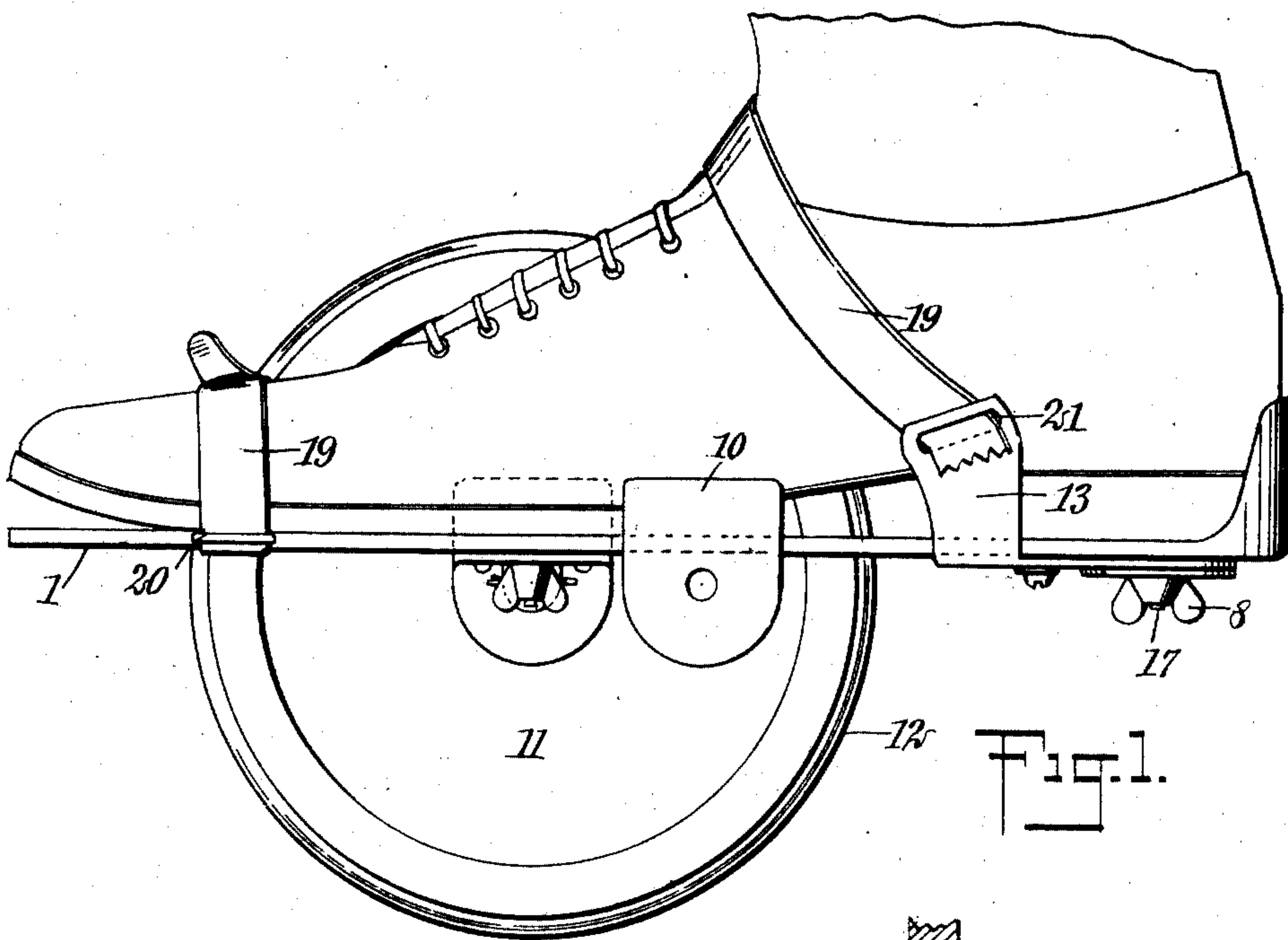


Fig. 1.

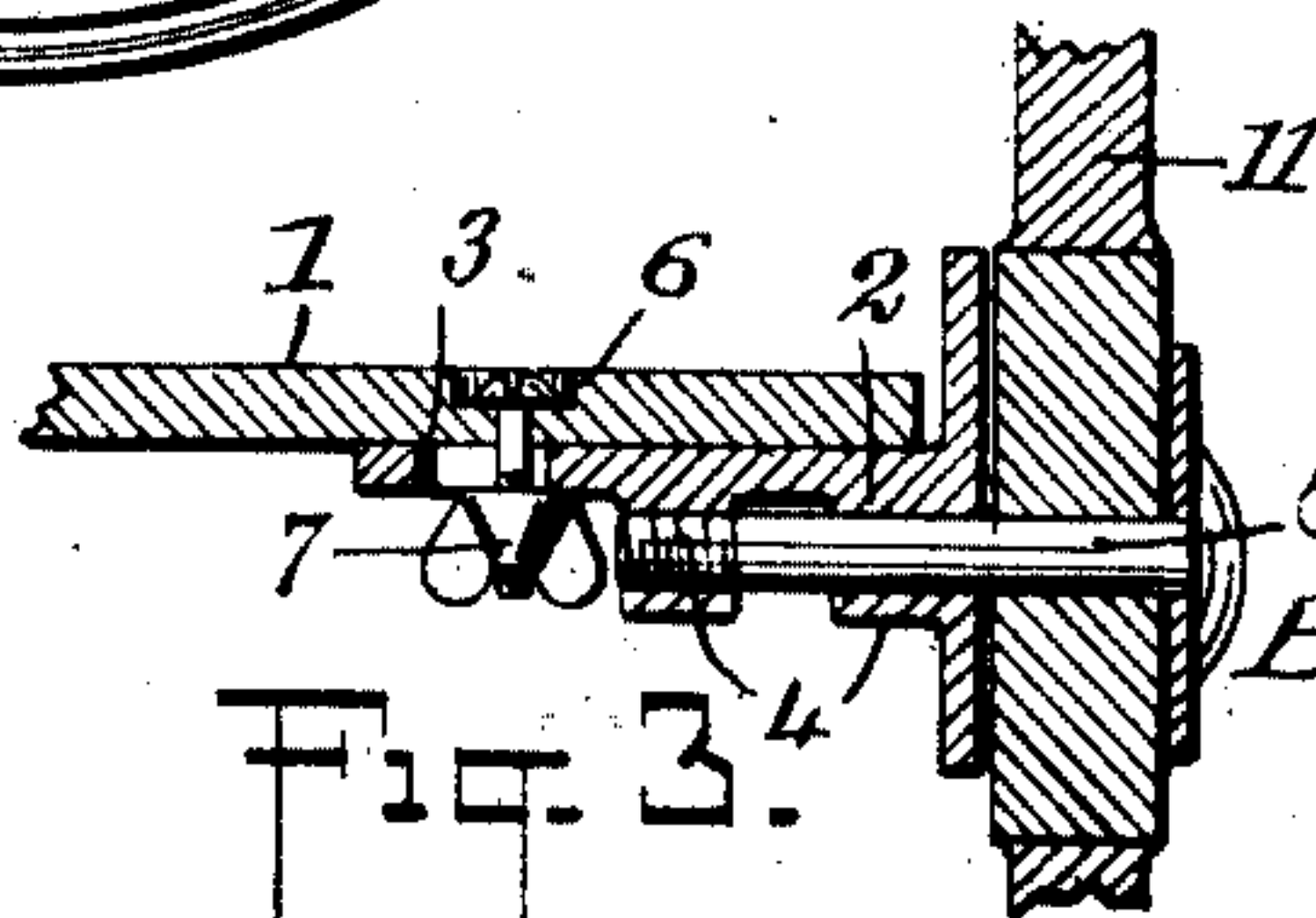


Fig. 3.

WITNESSES

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BERNHARD DOMIS, OF COVINGTON, KENTUCKY.

ROLLER-SKATE.

No. 864,622.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed May 2, 1907. Serial No. 371,395.

To all whom it may concern:

Be it known that I, BERNHARD DOMIS, a citizen of the United States, and a resident of Covington, in the county of Kenton and State of Kentucky, have
5 invented a new and Improved Roller-Skate, of which the following is a full, clear, and exact description.

My invention relates to roller skates, and has for its principal object to provide skates each with two wheels with their axles disposed in parallel planes at right
10 angles to the center line of the shoe rest or plate, but with their axle bearings disposed obliquely to each other, so that the skater may move the center of gravity of his body over the skates while he is skating, which will enable him to preserve his equilibrium and cut
15 various figures with the skates with unusually easy movements of the body, which cannot be done with roller skates which are now in use. With my skates there are fewer running parts than will be found in other skates, which lessens the friction considerably
20 and makes it possible for the skater to skate with less exertion.

Another object of the invention is to provide extensible axle bearings and extensible shoe guards, which will enable the distance between the wheels on the
25 roller skates to be adjusted and its shoe guards to be disposed to fit shoes of different widths.

In this specification I will describe one form of my invention which form is shown in the accompanying drawings forming part of this application, but I
30 do not limit myself thereto, as I consider myself entitled to all forms and embodiments of the invention which may be held to fall within the scope of the appended claims.

In the drawings similar characters of reference refer
35 to similar parts in all the figures, in which

Figure 1 is a side elevation of the roller skate with the inner wheel removed; Fig. 2 is an inverted plan view of the roller skate; and Fig. 3 is fragmentary sectional view showing how the extensible axle bearings
40 are adjusted.

Referring to the drawings it will be seen that 1 is the shoe rest or plate to which are secured the extensible axle bearing plates 2. Each of these extensible axle bearing plates has three slots 3, one on each side of the
45 axle bearings 4 and the other on the inner side of the extensible axle bearing plate and in alinement with the bearing. Guides 5 are screwed into the shoe rest or plate 1 through the slots on either side of the axle bearings 4, and a guide 6 is screwed into the shoe rest
50 or plate through the slot which is in alinement with the axle bearing, this latter guide having a thumb screw 7 which may be screwed down to hold the extensible axle bearing plate in any predetermined position to fit shoes of different widths. The axles 8 are secured
55 in the bearings 4 by cotter pins 9 which pass through holes in the inner bearings and in the axles, the latter

registering with the former. The extensible axle bearing plates have each a shoe guard 10 which is adapted to fit close against the shoe of the skater and hold his foot in position and prevent his shoe from
60 coming in contact with the wheels 11. These wheels 11, to which may be secured rubber tires 12, are preferably made relatively large, with the hub of the wheel of metal so that there will be very little friction when the wheels revolve on the axles.
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The rear shoe guards 13 are constructed with long curved members 14 which are bent so that they can be disposed under the shoe rest or plate 1. These curved members 14 of the rear shoe guards 13 have curved slots 15, through which guides 16 are screwed into the shoe
70 rest or plate 1, near the sides thereof, and a central guide 17 is screwed into the shoe rest or plate, through the slots in both of the curved members. This latter guide 17 has a thumb screw 18 which when screwed down holds the rear shoe guards 13 at any predeter-
75 mined distance apart to fit shoes of different widths. The roller skates are fastened to the shoes by straps 19, the toe strap passing under the shoe rest or plate 1 and through eyelets 20, secured to the shoe rest or plate, so that it may be strapped over the shoe, and the heel
80 strap passing through eyelets 21, in the rear shoe guards 13, so that it may pass behind the shoe, through the said eyelets 21, and be fastened over the ankle of the skater. As will be seen by referring to the drawings, the axles are disposed in parallel planes at right angles
85 to the center line of the shoe rest or plate 1, with their bearings disposed obliquely to each other.

To use the roller skates, the extensible axle bearing plates 2 are moved so that when the center of the shoe of the skater is exactly over the center of the shoe rest
90 or plate, the shoe guards 10 are close against the shoe, the thumb screws 7 are then screwed down to hold the extensible axle bearing plates, with the shoe guides, in this position. The rear shoe guards 13, are then moved up against the shoe of the skater and the thumb screw
95 18 is screwed down to hold them in this position. The roller skates may then be strapped on the shoes of the skater in the usual manner.

With the roller skates, it is possible for a skater to move much more easily than is the case with other
100 roller skates now in use, and with the wheels disposed as described above the skater will have little difficulty in preserving his equilibrium.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:
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1. A roller skate, with a plurality of wheels, the said wheels being disposed obliquely to each other, axles on which the wheels are mounted, bearings for the axles, the said bearings being adjustable relatively to the center of the skate, means to secure the bearings in predetermined
110 positions of adjustment, and means to secure the roller skate to a foot of the skater.

2. A roller skate, with two wheels, axles for the wheels,

bearings for the axles, the said bearings being disposed obliquely to each other and being adjustable relatively to the center of the skate, means to secure the bearings in predetermined positions of adjustment, and means to secure the roller skate to a foot of the skater.

3. A roller skate, with a plurality of wheels, axles for the wheels, bearings for the axles, the said bearings being adjustable relatively to the center of the skate, means to secure the bearings in predetermined positions of adjustment, and means to secure the roller skate to the foot of a skater.

4. A roller skate, with a plurality of wheels, the said wheels being adjustable relatively to the center of the skate, means to secure rotatably the wheels from each other at any of a plurality of predetermined distances, and means to secure the roller skate to a foot of the skater.

5. A roller skate, with a plurality of wheels, the said wheels being disposed obliquely to each other, axles on which the wheels are mounted, bearings for the axles, shoe guards on the bearings, the said bearings being adjustable relatively to the center of the skate, means to secure the bearings in predetermined positions of adjustment, and means to secure the roller skate to a foot of the skater.

6. A roller skate, with two wheels, the axles of which are in parallel planes, bearings for the axles, shoe guards on the bearings, said bearings being disposed obliquely to each other and being adjustable relatively to the center of the skate, means to secure the bearings in predetermined positions of adjustment, and means to secure the roller skate to a foot of the skater.

7. A roller skate with two wheels, axles on which the wheels are mounted, bearings for the axles, bearing plates for the bearings, the said bearing plates being disposed obliquely to each other, and having slots therein, guides secured to the shoe plate of the roller skate, and which pass through the slots in the bearing plates, means to secure the bearing plates in predetermined positions of adjustment and means to secure the roller skates to the foot of a skater.

8. A roller skate with two wheels, axles on which the

wheels are mounted, bearings for the axles, bearing plates for the bearings, shoe guards on the bearing plates, the said bearing plates being disposed obliquely to each other, and having slots therein, guides secured to the shoe plate of the roller skate and which pass through the slots in the bearing plates, means to secure the bearing plates in predetermined positions of adjustment and means to secure the roller skate to the foot of a skater.

9. A roller skate with two wheels, axles on which the wheels are mounted, bearings for the axles, bearing plates for the bearings, shoe guards on the bearing plates, the said bearings being disposed obliquely to each other, and having slots therein, guides secured to the shoe plate of the roller skate and which pass through the slots in the bearing plates, means to secure the bearing plates in predetermined positions of adjustment, rear shoe guards adjustable toward and from each other which may be secured on the skate at predetermined positions of adjustment from each other, and means to secure the roller skate to a foot of a skater.

10. A roller skate, with a plurality of wheels, shoe guards, the wheels and shoe guards being adjustable relatively to the center of the skate, means which are adapted to rotatably secure the wheels and to secure the shoe guards in predetermined positions of adjustment, and means to secure the skate to a foot of the skater.

11. A roller skate, with a plurality of wheels, which are disposed obliquely to each other, shoe guards, the said wheels and the shoe guards being adjustable relatively to the center of the skate, means which are adapted to secure rotatably the wheels, and to secure the shoe guards in predetermined positions of adjustment, and means to secure the roller skate to a foot of the skater.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BERNHARD DOMIS.

Witnesses:

ROBERT W. CORBETT,
HENRY WEITZEL.