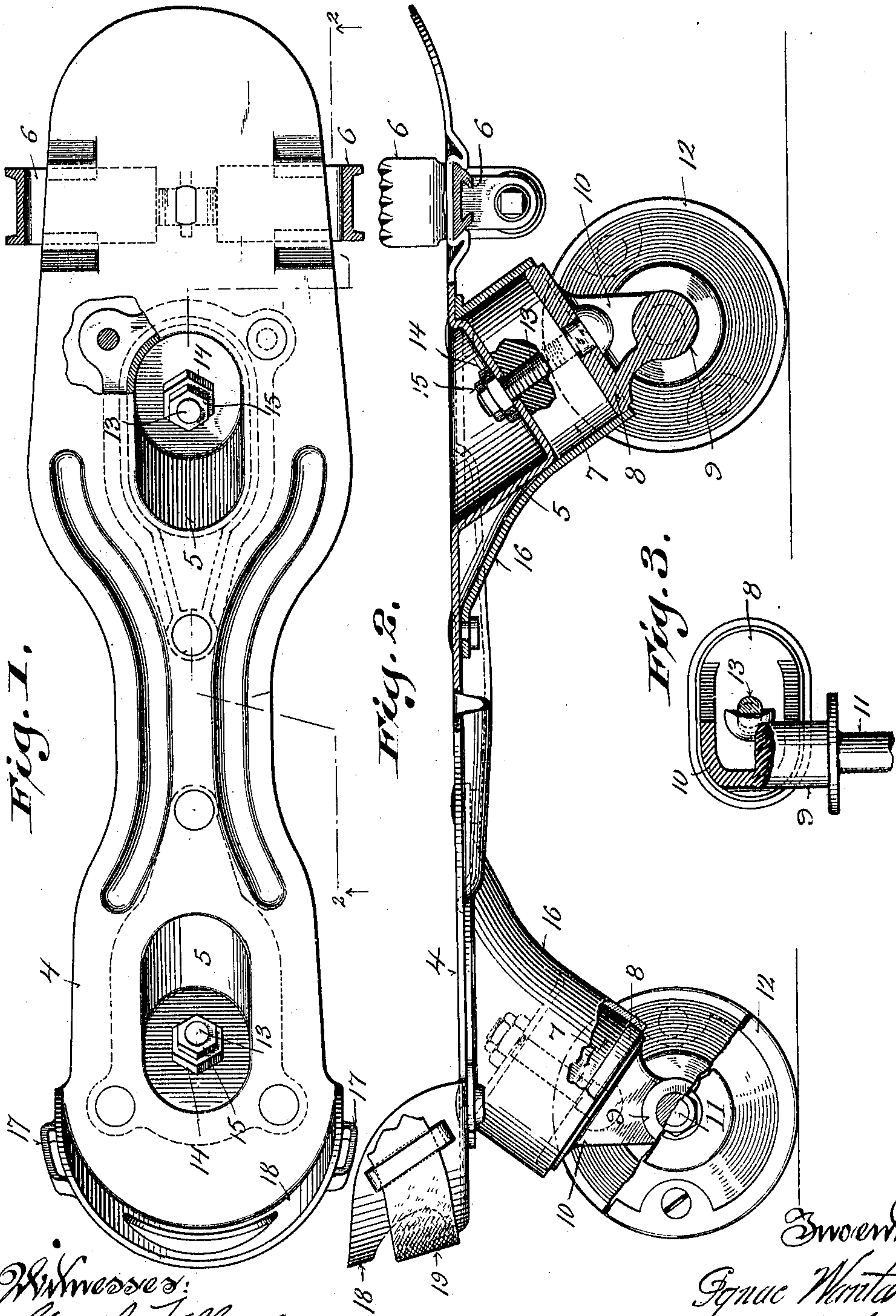


I. WANTA.  
ROLLER SKATE.

APPLICATION FILED MAY 20, 1909.

978,523.

Patented Dec. 13, 1910.



Witnesses:  
George G. Felber  
R. F. Downey

Inventor:  
Ignace Wanta  
By O. J. Young  
Attorney



# UNITED STATES PATENT OFFICE.

IGNAC WANTA, OF MILWAUKEE, WISCONSIN.

## ROLLER-SKATE.

978,523.

Specification of Letters Patent.

Patented Dec. 13, 1910.

Application filed May 20, 1909. Serial No. 497,293.

*To all whom it may concern:*

Be it known that I, IGNAC WANTA, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Roller-Skates; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention consists in what is herein described with reference to the accompanying drawings and pointed out in claim, its object being to obviate the usual hanger and guide attachments that are necessarily riveted or otherwise fastened to the foot-plates of roller-skates, to facilitate the take up of wear on the part of cushion-blocks of the skates and to exclude dust from the blocks.

Figure 1 of the drawings represents a plan view of one of my improved roller-skates partly broken away and in section; Fig. 2, a side elevation of the same partly in section as indicated by the dotted lines 2—2 in Fig. 1, one of the rear rollers and its journal being partly broken away, and Fig. 3, a plan view of a fragment of an axle portion of the skate and its attaching bolt inverted and partly in section.

Referring by numeral to the drawings, 4 indicates the metal foot-plate of one of my improved roller-skates. By cutting out some of the metal and subjecting the plate to suitable die-operations, the same is provided with depending, hollow, front and rear divergent protuberances 5 that are preferably elliptical in cross-section and designed to take the place of hanger-brackets that are ordinarily riveted or otherwise fastened to the underside of a roller-skate foot-plate, the bottoms of said protuberances being oblique in opposite directions. The foot-plate 4 is also shown as having been subjected to suitable die-operations in order to provide the same with underside dovetail guide-recesses for dove-tail horizontal portions of toe-clamps 6, that may be die-shaped from suitable blanks instead of cast as is ordinarily the custom.

An ordinary rubber cushion-block 7 is positioned between the oblique bottom of each of the protuberances 5 of the foot-plate and a plate 8 in approximately U-shaped web connection with an axle 9 of the skate, said plate, axle and the connecting web 10 being

cast in one piece to constitute a roller-carrier that is unusually light in proportion to its strength. Each axle is provided with journals 11 for rollers 12 of the skate, and these rollers are preferably of the construction set forth in my Patent No. 905,031, of November 24, 1908, they being held on the respective axles by any suitable means.

A bolt 13 extends through each plate 8, cushion block 7 and the bottom of each foot-plate protuberance 5, a clamp-nut 14 and set nut 15 on the bolt being accessible in said protuberance through the opening thereto in said foot-plate, this being an important feature of my improved skate. Each bolt 13 is readily positioned because of the clearance had within the confines of the adjacent web 10 of the roller-carrier with which it is engaged.

Riveted or otherwise secured to the underside of the foot-plate are metal housings 16, each of the same being arranged to inclose a cushion block 7 and supporting plate 8 for same, as well as the foot-plate protuberance 5 opposing said block, said housing serving to exclude dust from the aforesaid block, this being another important feature of my improved skate. The housing also serves as a guide for the foot-plate that has play therein incidental to compression and expansion of the opposing cushion-block.

It is preferred to swage heel-strap loops 17 out of the upwardly projecting rear flange 18 of the foot-plate aforesaid, as thereby the strap 19 is wholly outside of said flange and less liable to wear or cut, and the skate as a whole is lighter, stronger and less liable to get out of order than those of the ordinary construction.

I claim:

In a roller-skate, the combination of a foot-plate cut out and indented to form depending hollow front and rear diverging protuberances having bottoms that are oblique in opposite directions, a solid rubber cushion-block abutting the bottom of each of the foot-plate protuberances, a pair of roller-carriers each having a plate abutting a cushion-block, a bolt extending through each roller-carrier plate, the adjacent cushion-block and the bottom of a foot-plate protuberance; clamp and set nuts run on the upper end of each bolt, and housings

in connection with the foot-plate incasing  
said protuberances, the cushion-blocks and  
the roller carrier plates; said housings serv-  
ing as guides for said plates that have  
5 play therein incidental to compression and  
expansion of said cushion-blocks.

In testimony that I claim the foregoing

I have hereunto set my hand at Milwaukee  
in the county of Milwaukee and State of  
Wisconsin in the presence of two witnesses. 10  
IGNAC WANTA.

Witnesses:

STEPHEN A. WANTA,  
A. P. WANTA.