W. J. HILLE.

ROLLER SKATE.

APPLICATION FILED NOV. 28, 1908.

918,321. Patented Apr. 13, 1909.

Fig. 1.

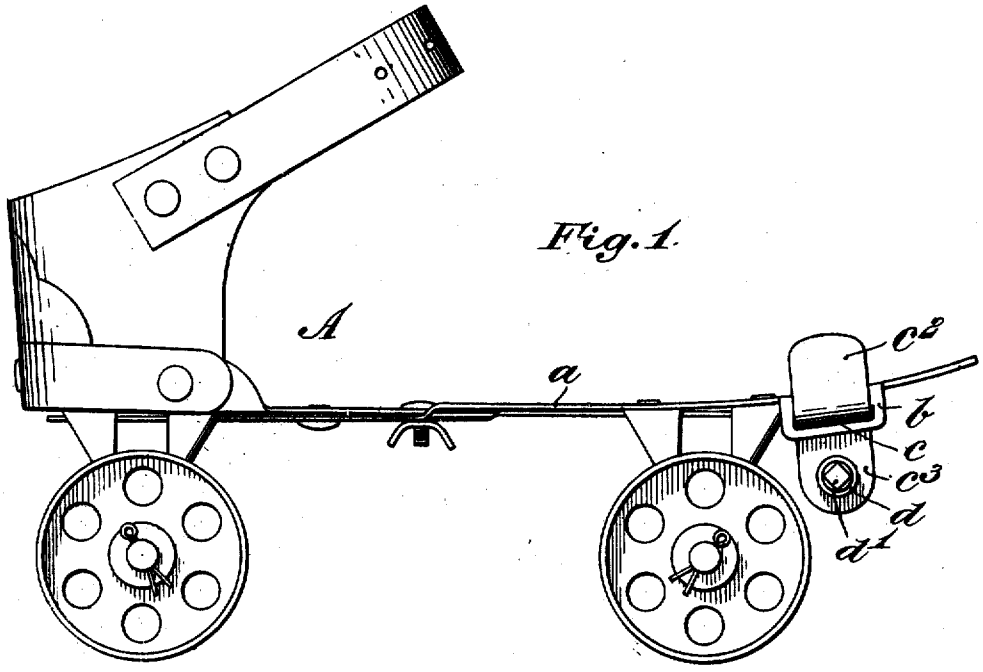


Fig. 2.

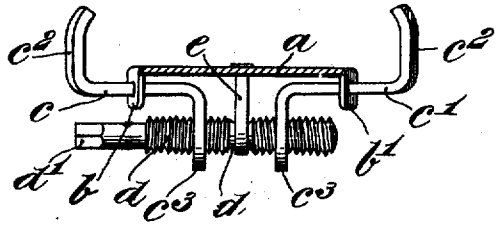


Fig. 3.

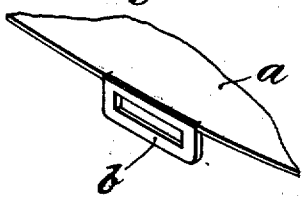
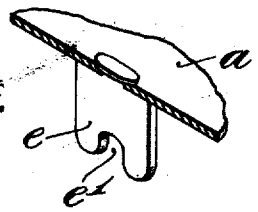


Fig. 4.



WITNESSES:

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WILLIAM J. HILLE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO NATIONAL ARMS AND STAMPING COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

ROLLER-SKATE.

No. 918,321. Specification of Letters Patent. Patented April 13, 1909.

Application filed November 28, 1908. Serial No. 464,961.

To all whom it may concern:

Be it known that I, WILLIAM J. HILLE, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Roller-Skates, of which the following is a specification.

My invention relates to certain improvements in constructive arrangement of a clamping device for detachably fastening by the shoe-sole the roller skate to the foot-plate thereof.

The principal object of my present invention is to provide a clamping device connected with foot-plate of the skate for securing the shoe-sole thereto, which is more reliable as well as positive in action, and also which is differently arranged for use, from constructive arrangements of such devices, as disclosed familiarly in the prior art by U. S. Letters Patent No. 329,239, dated October 27th, 1885, No. 622,838, dated April 11th, 1899, and No. 655,673, dated August 7th, 1900, in which thereover, in the present instance are provided slotted guides for movable clamping-bars integrally formed with and depending from the outer front portions on both sides of the skate foot-plate and the clamping-bars extending therethrough controlled by a reversely threaded bolt extending through openings provided in each of the clamping-bars for tightening and loosening the same with respect to the shoe-sole as well as in respect to each other.

My invention consists of a shoe-sole clamping device for a roller-skate constructed and arranged for use in substantially the manner hereinafter described and claimed.

The nature and characteristic main features of my present invention with respect to the roller-skate will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, in which—

Figure 1, is a side elevational view of a roller-skate with a clamping device of the particular features of my present invention shown in application thereto. Fig. 2, is a front view of the skate, showing the clamping device with the threaded bolt in a position for fastening the shoe-sole securely thereto from the foot-plate. Fig. 3, is a perspective view of one of the slotted guides formed integral with the foot-plate and depending therefrom; and Fig. 4, is a similar view of the depending recessed bearing support of the foot-plate for the unthreaded and recessed portion of the locking-bolt for the shoe or foot clamping-bars of the skate.

Referring to the drawings A, is the roller-skate of any ordinary well known type having a foot-plate a, with the front or toe portion where the boot or shoe rests in normal position thereupon, with two integral depending oblong slotted guides b b^1.

c, c^1, are two narrow clamping-bars, each having an upturned lip c^2, at the outer end to engage the shoe-sole and at the opposite inner end provided with a downturned threaded perforated lip c^3.

d, is a bolt reversely threaded and centrally recessed at d^2, and unthreaded. The bolt d, is provided with a square end d^1, for detachably securing a key thereto, not shown, for turning the bolt and thereby clamping the respective lips c^2, firmly to the shoe-sole and toward each other on the threaded portions of the bolt.

The foot being placed upon the plate a, of the skate A, by simply turning the bolt d, in one direction the front portion is clamped to the boot or shoe by means of the lips c^2, c^2, and can then be loosened by a reverse turning thereof, to release the boot from the plate a, of the skate, when the ordinary heel and ankle holding straps are unbuckled.

e, is a depending bearing-support having a recessed end e^1, for spanning the unthreaded recessed portion d^2, of the bolt d, as clearly shown in Figs. 2 and 4.

Certain features as shown and described in the present application have been made the subject-matter of a separate application for a patent filed by me under date December 2nd, 1908, under the Serial No. 465,706.

Having thus described the nature and objects of my invention, what I claim as new and desire to secure by Letters Patent is:—

The combination, in a skate, of a foot plate

having front integral side depending slotted guides, clamping-bars adapted to be slid in the slots of said guides by means connected with said bars and said means arranged so as to be adapted to lock said bars in any given position thereof, substantially as and for the purposes described.

In witness whereof, I have hereunto set my signature in the presence of two subscribing witnesses.

WILLIAM J. HILLE.

Witnesses:
J. WALTER DOUGLASS,
THOMAS M. SMITH.