No. 889,348. PATENTED JUNE 2, 1908.

A. WENNING.

SHOE PROTECTOR FOR SKATES.

APPLICATION FILED AUG. 29, 1906.

Fig. 1

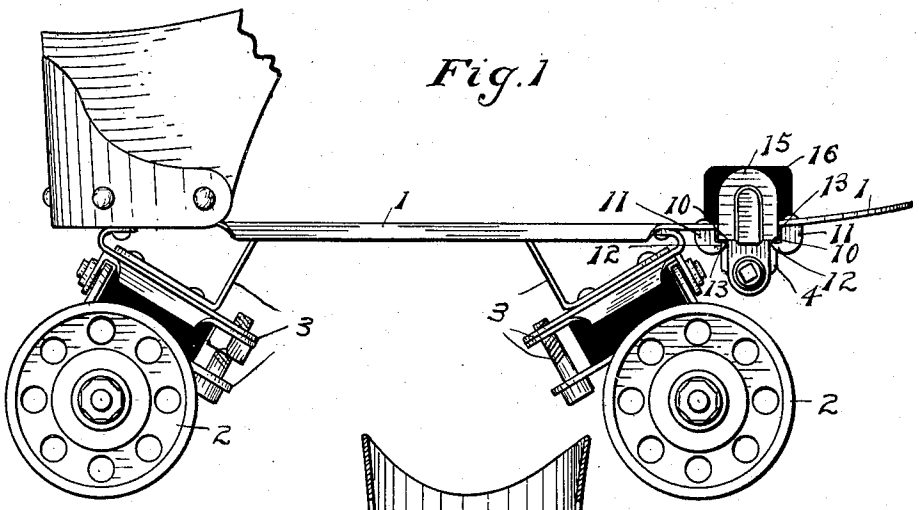


Fig. 2.

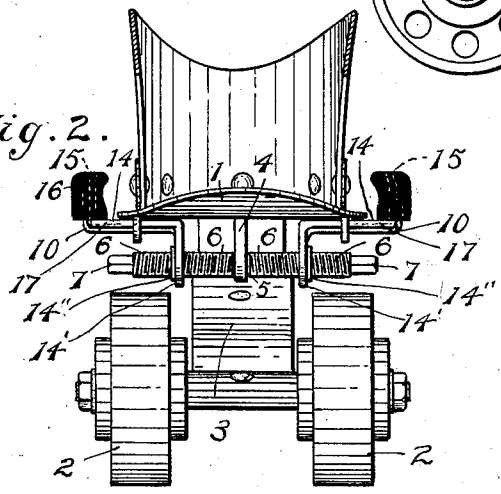


Fig. 3.

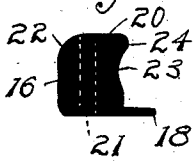


Fig. 4.

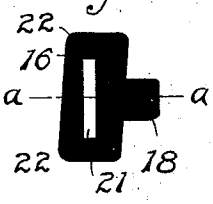


Fig. 5.

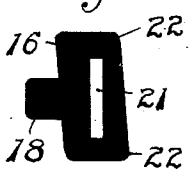
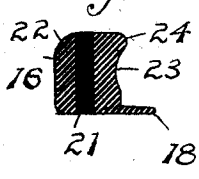


Fig. 6.



Witnesses:

H. H. Hunt,

A. M. Hinchman.

Inventor:

Adelaide Wenning

By James R. Rogers

Attorney.

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ADELAIDE WENNING, OF LOS ANGELES, CALIFORNIA.

SHOE-PROTECTOR FOR SKATES.

No. 889,348. Specification of Letters Patent. Patented June 2, 1908.

Application filed August 29, 1906. Serial No. 332,544.

To all whom it may concern:

Be it known that I, ADELAIDE WENNING, a citizen of the United States, residing at Los Angeles, county of Los Angeles, State of California, have invented and discovered a new and useful Improvement in Shoe-Protectors for Skates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in shoe protectors for skates; and the objects of my improvement are, first, to provide means for protecting the delicate tissues and fabrics of shoes of skaters from frictional contact of the skates while engaged in skating; and second, to afford to skaters a soft, easy and comfortable protection for their feet from the strap of the skates employed in securing the skates to the boots, shoes and foot wear of skaters.

The invention consists essentially in the construction, combination and arrangement of the several parts as will be hereinafter fully described in the specification, shown upon the drawings appended hereto and specifically pointed out in the claims made a part hereof.

I attain these objects by the construction and combination illustrated in the accompanying drawings, in which—

Figure 1 is a side view in elevation of a skate parts thereof broken away and one of my improved protectors upon the skate in place and the other removed from the sliding clamp of the skate; Fig. 2 is a view in elevation of the front of the skate with the protectors in place upon the sliding clamps; Fig. 3 is a view in elevation shown in full and dotted lines of one end of one of my protectors removed from the sliding clamps of the skate; Figs. 4 and 5 are bottom plan views of a right and left protector removed from the sliding clamps of the skate; and Fig. 6 is a cross sectional view of one of my improved protectors taken on the line *a*—*a* of Fig. 4 of the drawings.

Similar reference numerals, letters and characters refer to like parts throughout the several views of the drawings.

The reference numeral 1, denotes the platform of the skate, and the numerals 2, 2, designate the rollers of the skate and 3, refers to the means of securing the rollers to the under side of the platform 1, of the skate.

To the under side of the platform 1, about the longitudinal center thereof forward of the front rollers 2, 2, I secure the downwardly projecting slotted lug 4, in the slot 5, of the said lug the right and left screw threaded double headed clamp adjusting bar 6, rests, the ends of said bar 6, being provided with rectangular projections 7, 7, adapted to be received into the opening in the end of a key, not necessary to be shown, in order to adjust the sliding clamps 10, 10, on the under side of the said platform 1. Upon the under side of the platform 1, of the skate and near the edges thereof on either side of said downwardly projecting lug 4, I provide two pairs of lugs 11, 11, having inwardly extending horizontal lips 12, 12, which form with the under surface of the platform 1, ways 13, 13, in which the edges of the horizontal portion 14, 14, of the sliding clamps 10, 10, move when the said adjusting bar 6, is revolved by means of a key, hereinafter more particularly described. The said clamps 10, 10, are provided at their inner ends on the under side of the platform 1, of the skate with downwardly projecting lugs 14′, 14′, having screw threaded openings 14″, 14″, therein adapted to mesh with the right and left screw threads on the said adjusting screw threaded bar 6, hereinabove mentioned; the outer ends of said sliding clamps projecting beyond the edges of the front portion of the platform 1, of the skate have upturned lips 15, 15, upon which my improved slotted protectors 16, 16, rest as will be hereinafter more particularly referred to. The said sliding clamps 10, 10, upon their upper faces preferably extending the entire length of the horizontal portions 14, 14, are provided with recesses 17, 17, in which the inwardly extending tongues 18, 18, of my improved protectors 16, 16, rest underneath the under side of the said platform 1, of the skate when in use. The said tongues 18 lie underneath and close to the platform 1 so as to prevent upward movement of the yielding protectors.

My improved protectors 16, 16, hereinbefore referred to consist of a block portion 20, provided with a slot 21, therein in which the upwardly projecting lips 15, 15, of the sliding clamps 10, 10, are inserted and retain in place the said improved protectors thereon. The two outer corners of the block portion of my improved protectors 16, 16, are rounded at 22, and the opposite and inner faces of said block portion are concave and cut away at 23

in order to receive the projecting edges of the sole of the shoe of the skater and the extreme upper and inner faces of said block portion are provided with an inwardly projecting ledge 24, which rests upon the upper surface of the projecting edge of the sole of the shoe of the skater when the shoe is in place upon the platform of the skate and the sliding clamps are tightly adjusted to the said shoe by means of the double headed right and left screw threaded bar 6, as hereinbefore mentioned.

The inwardly projecting tongues 18, 18, of the protectors 16, 16, as shown upon Figs. 3 to 6 inclusive of the drawings securely hold the said protectors in place aided by the upwardly projecting lips 15, 15, of the sliding clamps 10, 10, the ledge 24, resting upon the upper surface of the sole of the shoe of the skater as hereinbefore referred to.

My improved protectors are preferably made of rubber, or any soft, yielding, suitable material as cork, leather, wood or material equivalent thereto.

My improved protectors for skates avoid the defacing of the delicate surfaces of ladies' shoes and prevent the same from being perforated by the tightly adjusted, metallic clamps. The tightly adjusted straps now in use for holding the skates firmly to the thin shoes of ladies, which render the skaters uncomfortable, are also avoided.

The long and continued wearing, frictional contact of the iron sliding clamps of skates now employed with the stouter material of which men's foot-wear is made is also avoided by my improved protector.

From the foregoing description taken in connection with the accompanying drawings it is thought that the construction, mode of operation and advantages of the invention will be readily apparent without requiring an extended explanation.

Various changes in the form, proportion and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention and I therefore reserve to myself the right to make such changes as fairly fall within the scope thereof.

What I do claim as my invention and desire to secure by Letters Patent, is—

1. A protector comprising an elastic block portion having an elongated slot therein to receive supporting means, a horizontally projecting tongue, for holding the protector to the skate and means for adjusting the protector to the foot wear of the skater.

2. Shoe protectors comprising yielding blocks having openings therein to receive supporting means, inwardly projecting tongues and inwardly projecting ledges and means for adjusting the protectors to the shoes of skaters.

3. Shoe protectors comprising elastic blocks having openings therein to receive supporting means, inwardly projecting tongues at the bottom of the blocks for holding the blocks to the skates and inwardly projecting ledges at the top of the blocks and means for adjusting the protectors to the foot-wear of the skaters.

4. Protectors comprising elastic blocks having openings therein to receive supporting means, and tongues projecting inwardly from the bottom of the blocks for holding the blocks to the skates, the said blocks provided upon the inner faces thereof with concave cut away portions and a ledge projecting inwardly and above the concave cut away portions adapted to rest upon the upper surfaces of the shoes of the skaters and means for holding the protectors to the skates and for adjusting the protectors to the shoes of skaters.

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

ADELAIDE WENNING.

Witnesses:

JAMES R. ROGERS,

A. M. HINCHMAN.