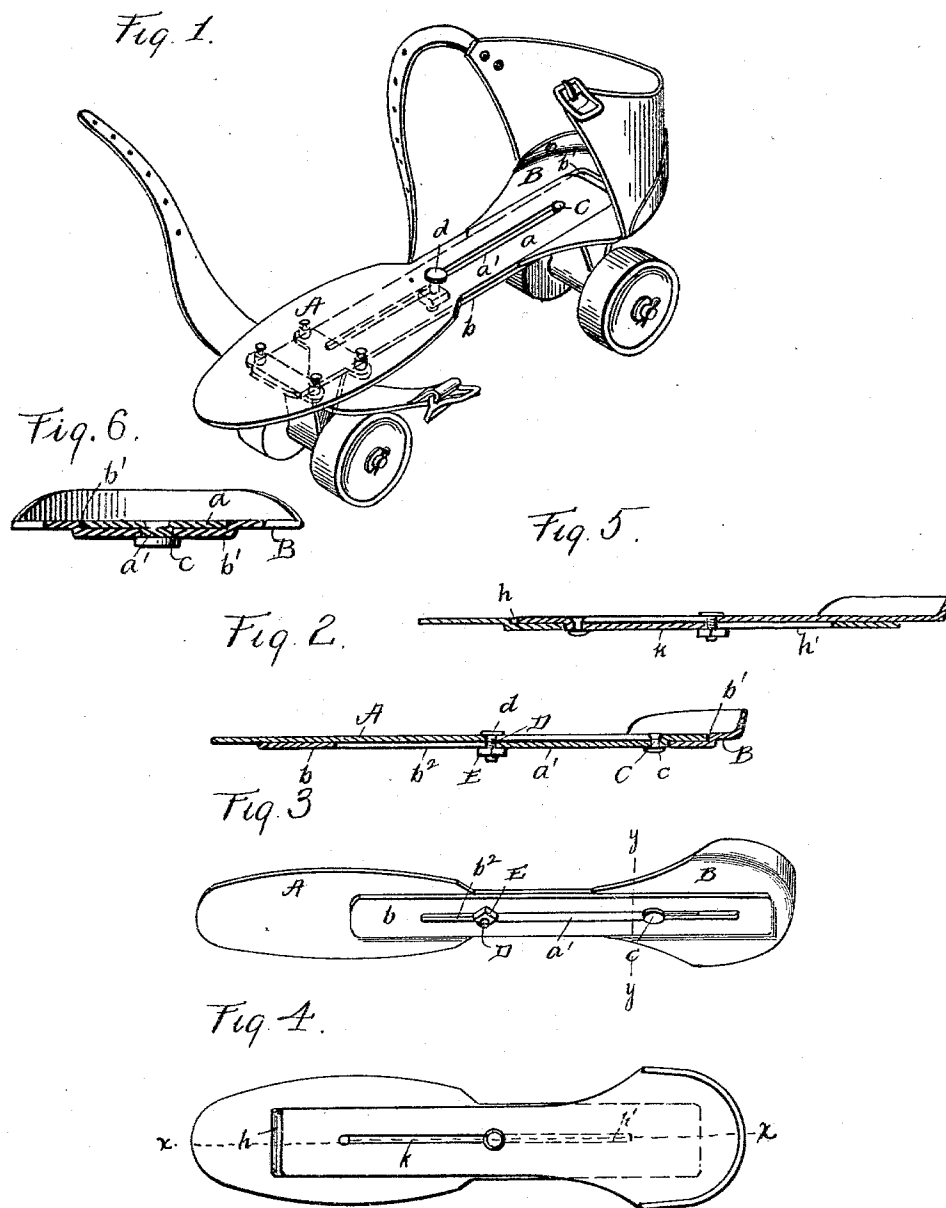


(No Model.)

J. SCHADE.
ROLLER SKATE.

No. 571,690.

Patented Nov. 17, 1896.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN SCHADE, OF BROOKLYN, NEW YORK, ASSIGNOR TO HENRY SCHADE,
OF SAME PLACE.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 571,690, dated November 17, 1896.

Application filed April 18, 1896. Serial No. 588,100. (No model.)

To all whom it may concern:

Be it known that I, JOHN SCHADE, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Roller-Skates; and I do 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a perspective view of skate having the invention applied thereto. Fig. 2 is a central longitudinal section of two plates A and B. Fig. 3 is a perspective view of same partly opened. Fig. 4 is a plan view of plates, showing modification. Fig. 5 is a section on line *xx*, Fig. 4. Fig. 6 is a section on the line *yy*, Fig. 3.

This invention has relation to roller-skates and is designed to provide a new and improved construction thereof whereby the skates may be readily adjusted to different lengths; and the invention consists in the novel construction and combination of parts, all substantially as hereinafter described, and pointed out in the appended claims.

Referring to the accompanying drawings, illustrating one of my improved skates, the letters A and B designate, respectively, the toe and heel portions or plates of which the body of the skate consists. The heel portion B is formed with a narrow elongated forward extension *b*, which forms a continuation of a broad groove or depression *b'*, formed in the heel portion proper. In this tongue and depressed portion is a narrow elongated continuous slot *b²*. The toe plate or portion A has a similar rearward extension *a*, which is arranged to slide in the depression *b*. Formed on the under side of the extension *a* is an elongated longitudinal rib or flange *a'*, which is arranged to fit neatly but slidably in the slot *b²*. Extending through the rear end portion of said rib or flange is a rivet or like fastening C, having upon the under side a head *c* of greater diameter than the width of the slot *b²*, whereby it serves to prevent vertical separation of the parts. Extending

through a seat at the forward end of the rib *a'* is a screw D, having a large head *d* at the upper side and secured at the under side by a nut E, which when screwed up bears against the under side of the end portion of said rib or flange, and also upon the under side of the extension *b*. This nut being loosened, it will be seen that the two extensions may be moved upon each other to secure the desired adjustment as to length and that when said nut is tightened the two portions will be firmly secured to each other, the engagement of the extension *a* with the depression *b* serving to prevent any lateral movement of the parts with relation to each other. The thickness of the extension *a* is equal to the depth of the said depression, whereby it seats flush therein. The extension *b* will slide freely between the arms of the bifurcated or slotted front roller-truck, which is secured to the toe portion in any suitable manner.

The two portions A and B can be readily stamped from blanks of metal, by which operation the depression *b'* and the rib or flange *a* may be formed, this enabling the skate to be manufactured at a comparatively low cost.

In Figs. 4 and 5 I have shown a modification of the construction, which is simply a reversal of the construction first described. That is to say, the depression *h*, which corresponds to the depression *b'*, and the slot *h'* are formed in the toe portion or plate, while the rib or flange *l*, which corresponds to the part *a'* first described, is formed upon the extension of the heel plate or portion which slides upon the extension of the toe plate or portion; otherwise the construction is the same as that first described.

I do not desire to claim, broadly, herein, *per se*, a means for adjustment, as to length, consisting of two overlying parts with means for securing them in different positions, as I am aware that such adjustments are old. In so far as I am aware, however, the herein-described means of adjustment, and particularly when embodied in a skate wherein one of the overlapping parts is slotted and the other has an elongated rib which engages such slot with securing devices, is new.

Having thus described my invention, what

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

1. An extensible skate-body, comprising a heel plate or portion, and a toe plate or portion, said plates or portions having overlapping extensions, one of said extensions having an elongated longitudinal groove therein, and the other a rib or flange, which slidably engages said groove, together with means for securing said portions in the proper adjustment, and for preventing vertical separation thereof substantially as specified.

2. In an extensible skate, the combination with a heel portion having a forward extension, of a toe portion having a similar but rearward extension, said extensions being overlapped, and having one a longitudinal slot therein, and the other an elongated rib or flange which engages said slot, the end portion of the uppermost extension also engaging a depression formed in the other of said portions, together with means for securing the two portions in proper adjustment, and for preventing vertical separation thereof substantially as specified.

3. In an extensible skate, the combination with a heel portion having a broad longitudinal

depression in its upper surface, and having also an extension forming a continuation of this depressed portion, said depressed portion and extension having a continuous longitudinal slot therein, of a toe plate or portion having an extension which overlies the extension of the heel portion and also engages the said depression, and which has an elongated longitudinal rib or flange thereon which slidably engages the said slot, together with means for securing the adjustment of said portions, substantially as specified.

4. In an extensible skate, the combination with a heel portion B, having the extension *b*, the depression *b'* and slot *b²*, of the toe portion A having the extension *a* which overlies the extension *b* and which has an elongated rib or flange *a'* which slidably engages the said slot, together with the rivet C, or like fastening, and the screw D, having the nut E, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN SCHADE.

Witnesses:

JOHN SCHADE, Jr.,
FRED V. MORGAN.