

(No Model.)

A. WOOD.
Roller Skate.

No. 237,152.

Patented Feb. 1, 1881.

Fig. 1.

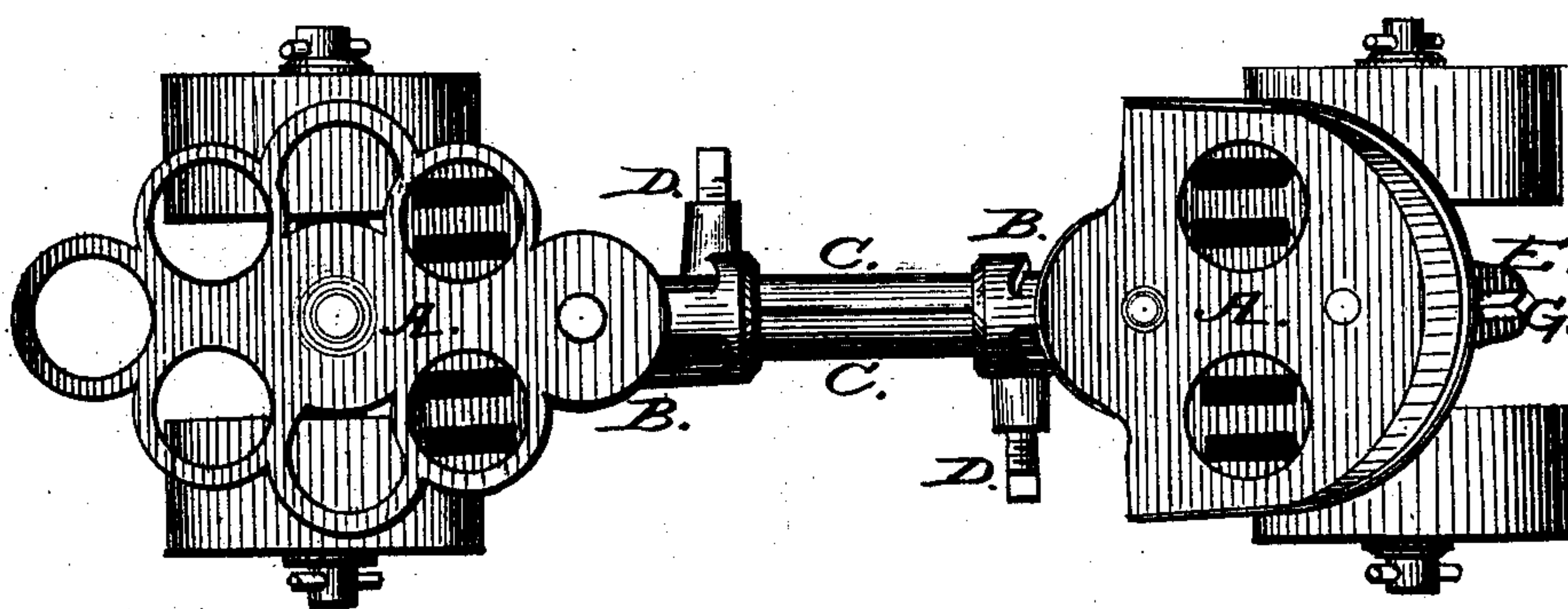


Fig. 2.

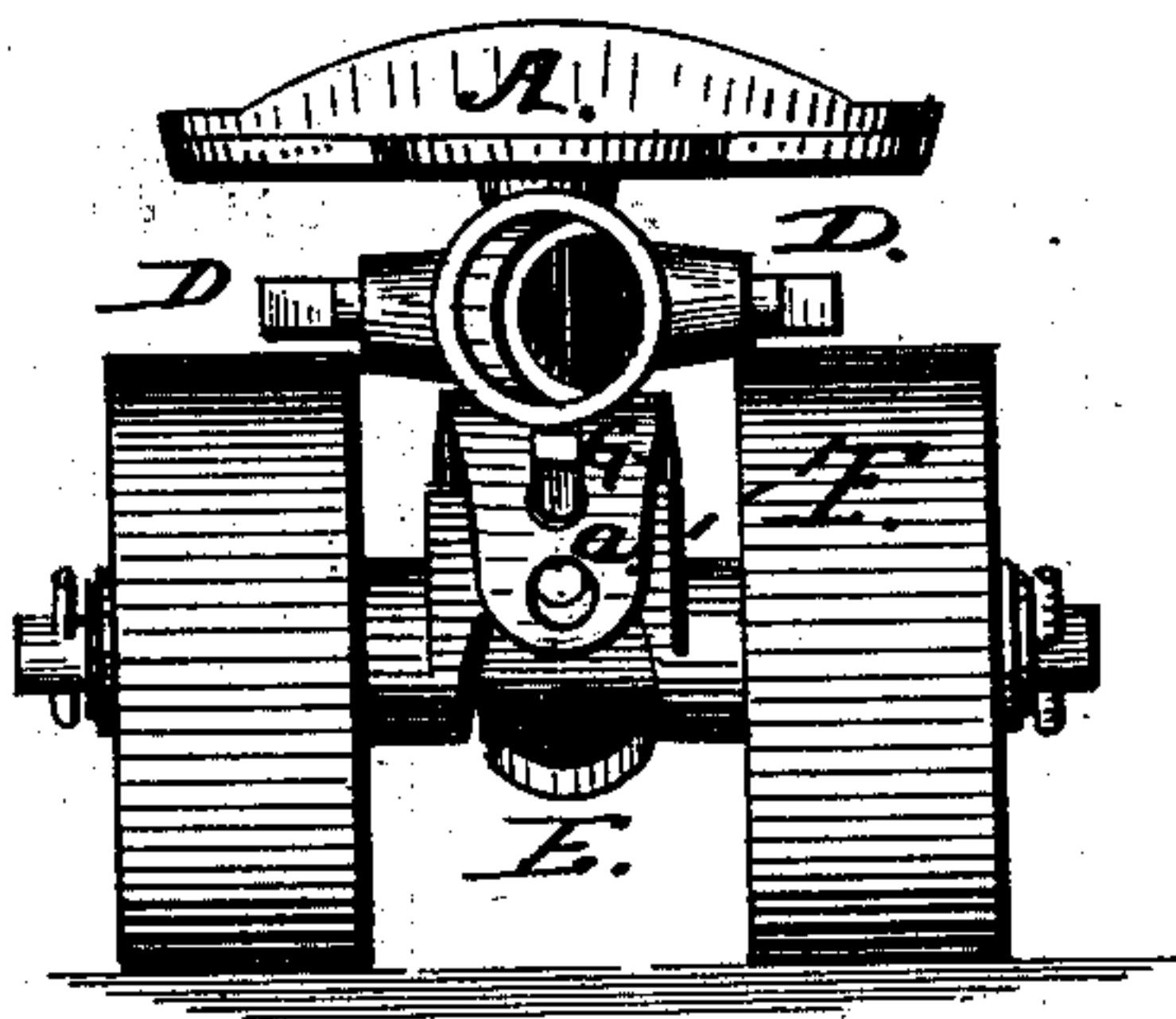
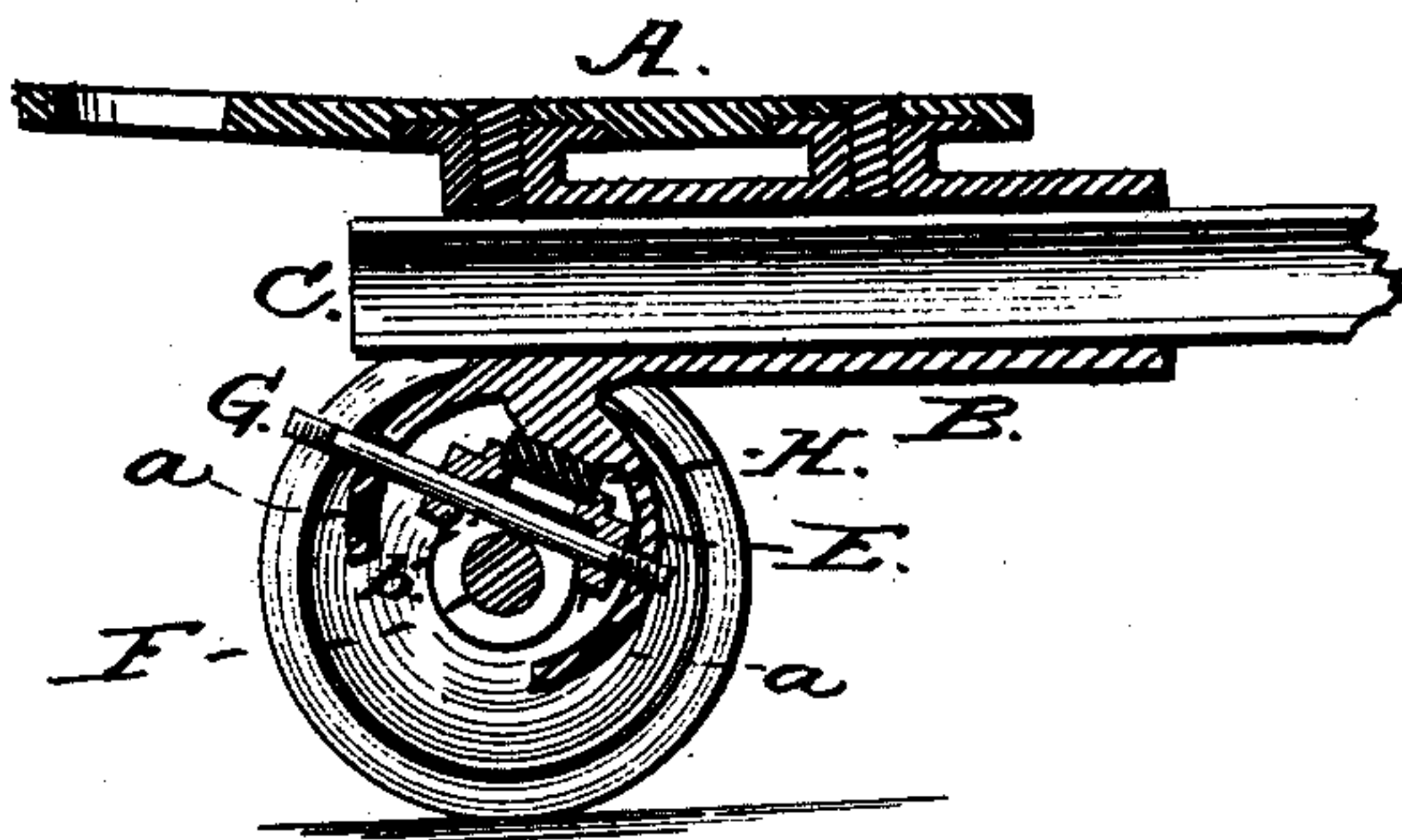


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

ALANSON WOOD, OF TOLEDO, ASSIGNOR OF ONE-FOURTH TO GEORGE E. WHIPPLE, OF LUCAS COUNTY, OHIO.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 237,152, dated February 1, 1881.

Application filed May 17, 1880. (No model).

To all whom it may concern:

Be it known that I, ALANSON WOOD, of the city of Toledo, in the county of Lucas and State of Ohio, 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 of the invention, which 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.

My invention has relation to that class of roller-skates which have for their object to provide means for increasing and diminishing the length of the skate, so as to readily adapt the same to different-sized feet; and it consists in forming the frame of the skate out of two semi-cylindrical tubes, which are adapted to slide upon each other and projecting into cylindrical sleeves or recesses at each end of the skate, and clamped therein by suitable set-screws at proper distances apart.

It further consists of the compensating axle-journals at each end of the skate, all as will be hereinafter more fully described, and pointed out in the claims.

In the drawings, Figure 1 is a top-plan view of my invention; Fig. 2, a rear elevation, and Fig. 3 a detail sectional view of the axle-frame.

Similar letters of reference indicate like parts in the several figures.

Referring to the drawings, A A represent the toe and heel plates of the skate, which are secured to the top of the hollow cylindrical frame B at each end, a semi-cylindrical tube, C, projecting from the inner end of each of the frames B, to which they are rigidly attached, so as to form part thereof, and the free ends of which lap past each other and slide into the cylindrical sleeves or frames B, opposite each other, as shown.

To one side of the frames B are arranged set-screws D, which are adapted to be clamped upon the semi-cylindrical tubes C, so as to hold them rigidly at the desired distances.

To the front of the forward frame B, and at the rear of the rear frame B, is formed a curvilinear frame, E, which is adapted to receive the axle-frame F, as shown in Fig. 3. The frame E is provided with a series of openings, *a*, on each side, and the axle-frame F is provided with a central opening, *b*, to permit of the entrance of the square-headed bolt G, which passes through the openings *a b*, to secure the axle-frame F within the frame E, a block of rubber or other elastic material, H, being interposed between the axle-frame and the frame E, as shown in Fig. 3.

The construction of my invention being as described, it will be observed that in the operation of the same, by loosening the set-screws D the skate may be lengthened or shortened to suit different-sized feet, and can be held at suitable distances apart by tightening the set-screws.

It will also be observed that the bolt G can be introduced through the various openings *a* of the frame E and through the opening *b* of the axle-frame F, so as to give either a loose or tight bearing to the axle-frame.

Having thus described my invention, what I claim as new and useful is—

1. In a roller-skate, the frames B B, having semi-cylindrical tubes C attached thereto, and provided with the heel and toe plates A, and bearing-frame E, adapted to receive the axle-frame F and rubber block H, secured thereto, substantially as and for the purpose specified.

2. In a roller-skate, the combination of the axle-frame F, having central opening, *b*, with the frame E, having openings *a*, and bolt G, and provided with rubber block H, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I have affixed my signature in presence of two witnesses.

ALANSON WOOD.

Witnesses:

ARION E. WILSON,
LAWRENCE S. MEGGINSON.