

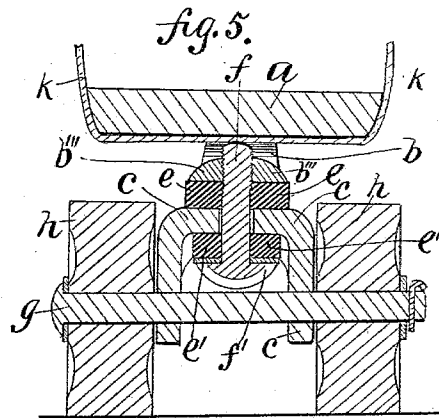
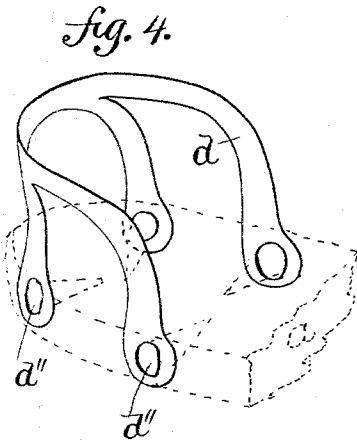
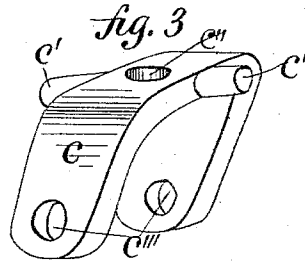
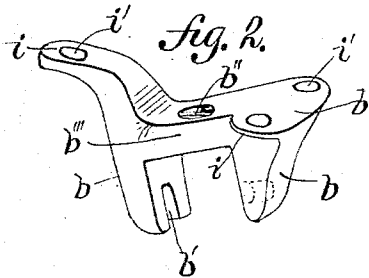
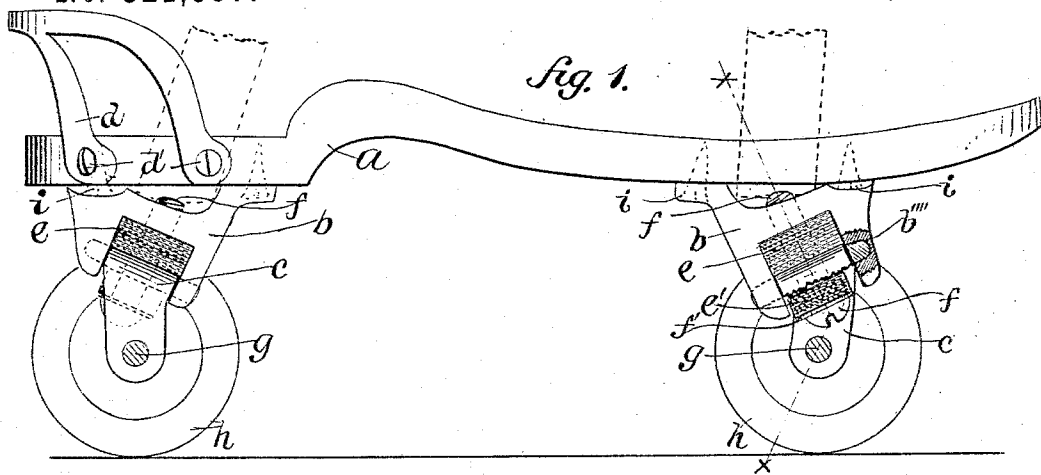
(No Model.)

C. J. BECKTEL.

ROLLER SKATE.

No. 321,337.

Patented June 30, 1885.



Witnesses:

E. B. Adams
E. E. Polk.

Charles J. Becktel, Inventor;

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UNITED STATES PATENT OFFICE.

CHARLES J. BECKTEL, OF MUNCIE, INDIANA.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 321,337, dated June 30, 1885.

Application filed March 2, 1885. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. BECKTEL, a citizen of the United States, residing at Muncie, in the county of Delaware and State of Indiana, have invented a new and useful Improvement in Roller-Skates, of which the following is a description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in roller-skates; and the objects of my improvements are to construct a cheap, simple, and durable skate that will not be liable to get out of order or require many repairs. I attain these objects by the mechanism illustrated by the accompanying drawings, in which—

Figure 1 is a longitudinal side elevation of my skate with one front and one rear wheel removed, also a part of the front hanger. Fig. 2 is a perspective view of the hanger-plate. Fig. 3 is a perspective view of the hanger. Fig. 4 is a perspective view of the heel-band, and Fig. 5 is a cross-section taken on line $x\ x$ of Fig. 1.

Similar letters refer to similar parts throughout the several views.

The bottom a is made of wood, with a heel-band, d , secured to it by screws d' , the said heel-band being most clearly shown in Fig. 4. The hanger-plates b are secured to the front and rear of the bottom a by screws in the lugs i , all as shown. One of the downward-pointing lugs of the hanger-plate is provided with a slot, b' , as shown in Fig. 2, and the other is provided with a hole which does not extend quite through the said lug, as indicated by the dotted lines. The hanger c is most clearly shown in Fig. 3, the lower ends of the arms being provided with holes c'' for inserting the axle, and studs c' on upper part, which work in the slot and hole in hanger-plate, as shown in Fig. 1.

Between the center b'' of the hanger-plate and the top of the hanger is placed a rubber cushion, e , as shown in Figs. 1 and 5, and on the under side of the hanger is placed another rubber cushion, e' , all as shown. The hanger and cushions are all held in their proper places by a screw, f , which passes from the under side of the hanger mechanism up through the washer f' , cushion e' , hole c'' in the hanger, cushion e , and screwed into the center b'' of the hanger-plate, all as shown in Figs. 1 and 5. The top of the said screw f presses up against the strap k , which passes through the space between the bottom a and plate b , holding it in place, all as shown in said figures.

The wheels h and axles g are secured to the hanger, as shown in Fig. 5, and the rubbers being placed above and below the hanger avoids all metal friction from the screw f , the scientific action being regulated by tightening or loosening said screw.

The slot b in the hanger-plate is made long enough so that the stud c' does not touch the top until the screw f is turned up tight; but the tightening of said screw stiffens the action of the skate, and when the screw is loose the hanger can work up and down some between the two rubbers.

Having thus described my invention, I claim the following, and desire to secure the same by Letters Patent:

In a roller-skate, the inclining lugs $b\ b$, connected together by a cross-bar, b'' , which is provided with a threaded hole, b'' , for the reception of the screw f , said screw f passing up through the washer f' , rubber e' , hanger c , rubber e , and secured by threads in the said hole b'' , all for the purpose set forth.

CHARLES J. BECKTEL.

Witnesses:

GEORGE W. RICHEY,
CHAS. E. ADAMSON.