(No Model.)

C. W. FOOTE.

ROLLER SKATE.

No. 330,007. Patented Nov. 10, 1885.

Fig. 1.

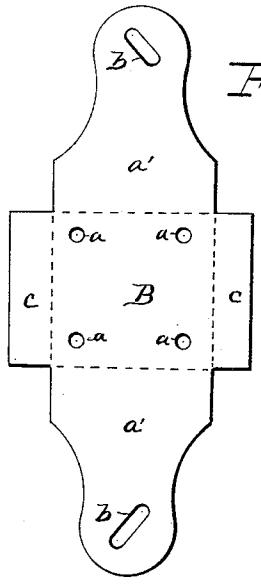


Fig. 2.

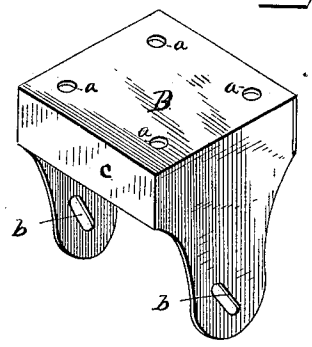
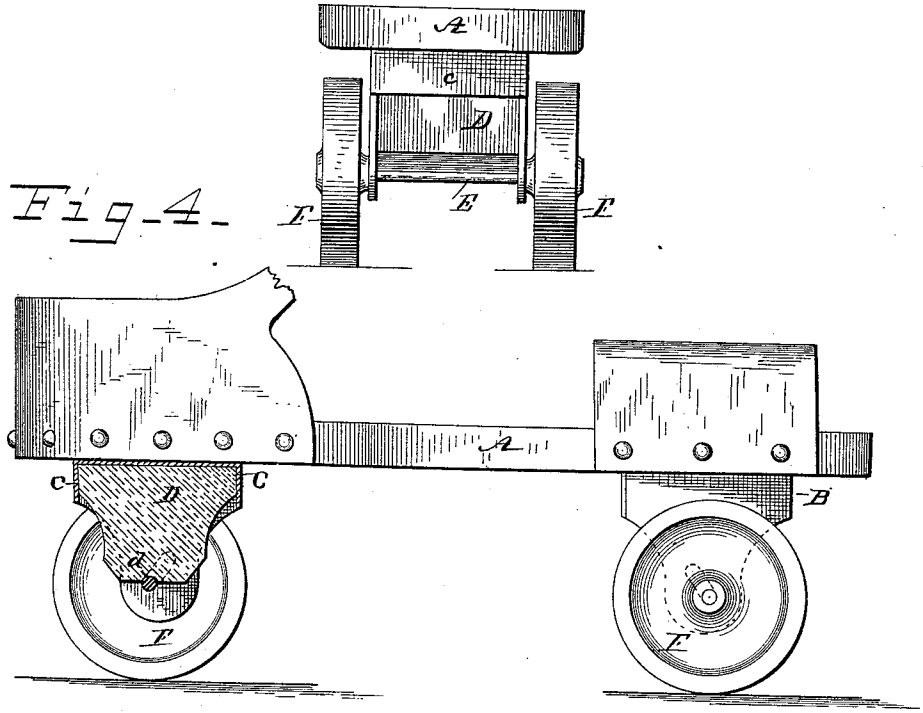


Fig. 3.

Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES W. FOOTE, OF YOUNGSTOWN, OHIO.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 330,007, dated November 10, 1885.

Application filed March 7, 1885. Serial No. 158,027. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. FOOTE, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Roller-Skates, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in hangers for roller-skates, the object of which is to provide a cheap and reliable hanger in which the rubber or other spring is located.

Figure 1 is a top or plan view of a blank for forming the hanger as it comes from the die or cutter. Fig. 2 is a view in perspective of the blank as bent into position and ready to be applied to the bottom of the skate. Fig. 3 is an end view of the skate with my improved hanger applied thereto. Fig. 4 is a side view, partly in section, of a skate and hanger.

A indicates the sole or body of the ordinary roller-skate, to which is secured the hanger B by means of screws, rivets, or bolts. The hanger B is made of sheet metal of sufficient strength and thickness to bear the weight and thrusts of the skater, and is cut or stamped out of the metal sheet into the blank shown in Fig. 1, the ends and sides being bent down, as shown in Fig. 2, which forms a pocket or recess, C, to receive the upper end of the rubber block D. The upper side of the blank or hanger B is provided with any desired number of perforations, *a*, by means of which it can be attached to the under side of the sole of the skate by suitable screws, bolts, or rivets, as before indicated. The ends of the hanger *a'* are provided with diagonal slots *b*, through which the axle E passes, on the outer ends of which the wheels F are mounted in the usual manner. The sides of the hanger are bent down, as shown at *c*, and, as before stated, form, with the end pieces, a recess or pocket, C, which holds the upper end of the rubber block D securely in position. The lower side of the rubber block is provided with a notch or recess, *d*, running its entire length, adapted to rest on the axle E, and by which means it is held firmly in the pocket C of the hanger, the rubber block being made slightly longer than the distance between the upper side of the pocket C and the axle, so that the block of rubber must be slightly compacted to place it in its position, the elasticity or tension of the rubber serving to hold it in position when the trucks of the skate are in their normal position and free from the weight of the skater. The axles E rest in the bottoms of the diagonal slots *b*, but when subjected to the weight of the skater the rubber is compressed and the axles rise in the slots. By having the rubber spring or block D in close contact with the axle, which is free to rise and fall in the slots of the hanger, I am enabled to provide a skate which will readily respond to the pressure of the foot of the skater, so that curved or straight line skating can be readily performed.

It will be readily noticed that by making the hanger of the form shown and described I am enabled to produce complete the blank shown in Fig. 1 by one stroke of the die, with the slots and holes punched therein. After removing the blank from the die it is heated and placed in a former, and bent along the dotted lines into the shape shown in Fig. 2, thus reducing the cost of manufacture to the lowest possible point. By reversing the front and rear hangers in securing them to the sole of the skate the slots in the rear hanger project upward and forward and the slots in the front hanger project upward and rearward.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a roller-skate, a hanger struck from one piece of metal, having the pocket or cavity C and slots *b* for the reception of the axle, in combination with a rubber spring seated in the pocket of the hanger, the upper side of said spring being adapted to rest against the top of the hanger, while the lower side of said spring is recessed, and adapted to rest directly on the axle of the rollers, as set forth.

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

CHARLES W. FOOTE.

Witnesses:
S. D. L. JACKSON,
W. J. GIBSON.