No. 655,673. Patented Aug. 7, 1900.

O. W. EVERETT.

ROLLER SKATE.

(Application filed Jan. 19, 1900.)

(No Model.) 2 Sheets—Sheet 1.

FIG. 1.

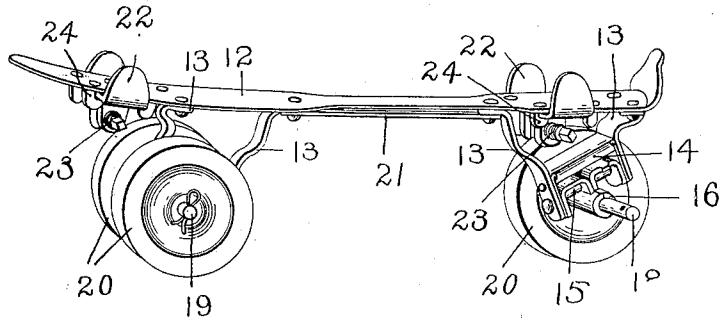


FIG. 2.

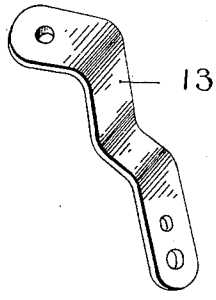


FIG. 3.

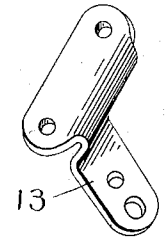
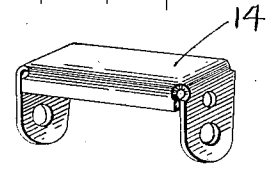


FIG. 4.



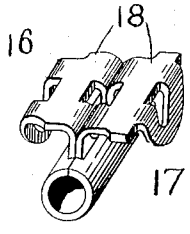


FIG. 5.

Witnesses;

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No. 655,673. Patented Aug. 7, 1900.

O. W. EVERETT.

ROLLER SKATE.

(Application filed Jan. 19, 1900.)

(No Model.) 2 Sheets—Sheet 2.

FIG. 6.

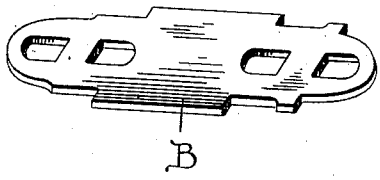


FIG. 7.

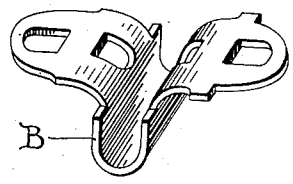


FIG. 8.

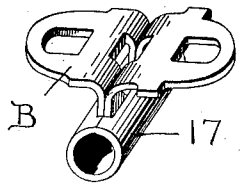
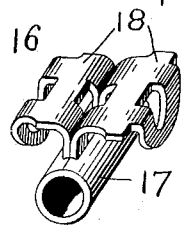


FIG. 9.



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Inventor;
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By Southgate & Southgate, Att'ys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

OTIS W. EVERETT, OF WORCESTER, MASSACHUSETTS.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 655,673, dated August 7, 1900.

Application filed January 19, 1900. Serial No. 2,064. (No model.)

To all whom it may concern:

Be it known that I, OTIS W. EVERETT, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Roller-Skate, of which the following is a specification.

This invention relates especially to wheeled or roller skates; and the object of the present invention is to provide a strong, simple, efficient, and inexpensive form of skate in which the entire skate, with the exception of the wheels, may be made from steel, dispensing entirely with the use of malleable iron.

To this end this invention consists of the parts and combinations of parts, as hereinafter described, and more particularly pointed out in the claims at the end of this specification.

In the accompanying two sheets of drawings, Figure 1 is a perspective view of a roller-skate constructed according to this invention, one of the skate-wheels being removed. Figs. 2, 3, and 4 are perspective views illustrating the parts constituting one of the three-part rocker-brackets. Fig. 5 is a perspective view of one of the rocker-pieces. Figs. 6, 7, 8, and 9 are perspective views illustrating successive steps in striking up or forming the rocker-pieces.

In roller-skates which have heretofore been employed the working-parts of the skate—for example the rocker-brackets, the rocker-pieces, the skate-clamps, &c.—have been formed by malleable-iron castings. These malleable-iron castings have been found to be unreliable on account of flaws or defects therein, and are also undesirable on account of the excessive weight.

The especial object of my invention is therefore to provide a construction of skate which may be made (with the exception of the wheels) entirely out of steel. To accomplish this object in a skate constructed according to this invention, three-part rocker-brackets are employed, each bracket consisting of end pieces connected by a cross-piece or casing for holding the rubber spring, and journaled in each rocker-bracket as thus constructed is a rocker-piece comprising a cylindrical socket for receiving the wheel-axle and integral upwardly-extending perforated U-shaped wings for journaling the rocker-piece on a bolt in the rocker-bracket.

Referring to the drawings and in detail, a skate constructed according to this invention, as herein illustrated, comprises a foot-plate 12. Secured on the under side of the foot-plate 12, near the forward and rear ends thereof, are three-part rocker-brackets. As illustrated most clearly in Figs. 2, 3, and 4, each of the rocker-brackets comprises end pieces 13, which are connected by a cross-piece or casing 14, which may receive a rubber spring. The three parts of the rocker-bracket are stamped out of sheet metal and riveted together.

Journaled on a bolt 15 in each of the rocker-brackets is a rocker-piece 16. The rocker-pieces 16 are each preferably formed from a single piece of sheet metal, the successive steps in manufacturing the rocker-pieces being illustrated most clearly in Figs. 6 to 9, inclusive. As shown in these figures, a perforated blank B is first stamped out, as illustrated in Fig. 6. The blank B is then bent or curved near its middle, as shown in Fig. 7, and is then closed over a pin or stud to form a cylindrical socket 17 for receiving a wheel-axle. The ends of the blank B are then bent down, as illustrated in Fig. 9, so that the rocker-pieces 16 will each be provided with the cylindrical socket 17 and with integral upwardly-extended perforated U-shaped wings 18, the perforations in the wings 18 being arranged in line to receive the bolt 15 on which the rocker-piece is journaled. The wheel-axle 19 extends through to the opposite sides of each rocker-piece, and the wheels 20 are journaled on the axles 19 in the ordinary manner or by the use of ball-bearings, if desired.

To stiffen the skate, the front and rear rocker-brackets are connected by a strip 21.

The skate-clamps 22 are movably mounted on the under side of the foot-plate 12 and may be operated by adjusting-screws 23 in the ordinary manner. The clamps 22 are held in place by small hook-pieces 24 or may be secured by clips in the ordinary manner.

By means of this construction it will be

seen that I have provided a roller-skate having its entire frame or body portion formed of stamped or struck-up sheet-steel.

I am aware that changes may be made in the construction of my skate by those who are skilled in the art without departing from the scope of my invention as expressed in the claims. I do not wish, therefore, to be limited to the construction herein shown and described, but

What I do claim, and desire to secure by Letters Patent of the United States, is—

1. In a roller-skate the combination of the foot-plate, and the three-part rocker-bracket comprising end pieces, and a cross-piece or casing for holding a spring-rubber, said parts being stamped from sheet metal and riveted together, substantially as described.

2. In a roller-skate, the combination of a rocker-bracket, and a rocker-piece stamped from a single piece of sheet metal, bent to form a cylindrical socket for receiving a wheel-axle, and having perforated upwardly-extending U-shaped wings for journaling the rocker-piece on a bolt in the rocker-bracket, substantially as described.

3. In a roller-skate, the combination of the foot-plate, a three-part rocker-bracket comprising end pieces, and a cross-piece or casing for holding a spring-rubber, said parts being stamped from sheet metal and riveted together, and a rocker-piece stamped from a single piece of sheet metal, bent to form a cylindrical socket for receiving a wheel-axle, and having perforated upwardly-extending U-shaped wings for journaling the rocker-piece on a bolt in the rocker-bracket, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

OTIS W. EVERETT.

Witnesses:
JOHN F. CROWELL,
PHILIP W. SOUTHGATE.