

UNITED STATES PATENT OFFICE.

ABRAHAM ARMBAND, OF NEW YORK, N. Y.

ROLLER-SKATE.

No. 862,431.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ABRAHAM ARMBAND, a citizen of the United States, residing at New York city, borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Roller-Skates, of which the following is a clear, full, and exact description.

This invention relates to roller-skates, and has for its object to provide skates of this character having certain novel features of improvement which will hereinafter be more particularly described and finally pointed out in the appended claims, reference being had to the accompanying drawing, forming part hereof, wherein—

Figure 1 is a plan view of a skate embodying my improvements; Fig. 2 is a side elevation thereof; Fig. 3 is a transverse sectional view, the section being taken on the line *a—*a** in Fig. 1, showing the ball and socket construction; Fig. 4 is a similar view, taken on the line *b—*b** in Fig. 1, showing the manner of pivotally connecting the sections of the foot-plate of the skate; Fig. 5 is a plan view of a modified form of my improved skate; Fig. 6 is a cross-sectional detail view thereof, the section being taken on the line *c—*c** in Fig. 5; and Fig. 7 is a similar view, the section being taken on line *d—*d** in Fig. 5.

Like numerals of reference are intended to indicate corresponding parts in the several views.

In the accompanying drawing, the numerals 1 and 2 indicate the sections which compose the foot-plate of my improved skate, said sections being pivotally connected as at 3. Each of said sections 1 and 2 have integral therewith the halves 4 and 5, respectively, of a ball socket 6, in which a ball or roller 7 is adapted to freely rotate, both ends of the skate being provided with such a socket 6 containing a ball 7, as shown in Figs. 1 and 2. At the rear end or heel portion of the foot-plate I pivotally connect, as at 8, a catch 9, provided with a jaw 10, said jaw being adapted to embrace a screw 11, in order to hold said parts 1 and 2 together. The sections 1 and 2 of the foot-plate are provided with any suitable form of catch or clamp, such for instance as the movable members 12 and 13, which in this instance are pivoted at 14 and 15 and operated by a screw 16, which is provided with a square end 17

for the reception of a key or the like. The heel portion of the skate is provided with a stationary clip 18, or its equivalent, and movable clamps 19 and 20, which by means of the screws 21, 22 can be caused to grip the heel of the shoe.

In Fig. 5 I have shown a modified form of heel-portion of my improved skate. This form of heel-portion is composed of the sections 1 and 2, and an interposed plate 23, which plate carries integral therewith the halves 23 and 24 of ball sockets 25, the other halves 26 of which are carried by the sections 1 and 2. As will be seen by Fig. 7, the section 23 is mortised into the sections 1 and 2, as at 27. The sections 1 and 2 of this modified form are also provided with the toe-clamps 12 and 13 and are operated by a screw 16 in manner described above. The heel-portion is also provided with stationary clips 18 and movable clamps 19, 20. For holding the sections 1 and 2 together I employ a catch 28 which is pivoted at 29 and adapted to embrace a binding-screw 30 by means of the jaw 31.

In order to remove or replace the balls 7 it is but necessary to remove the screw 16 connecting the clamps 12, 13 and loosen the binding screw 11, whereby the catch 9 may be rotated outwardly away from the screw 11, thus permitting the sections 1 and 2 to be opened or spread apart. The same operation will enable the modified form shown in Fig. 5 to be spread apart.

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

1. A skate, comprising a foot-plate composed of separably connected sections, each section carrying a depending member, said members when closed forming a ball carrying socket, and a ball held in said socket.

2. A skate, comprising a foot-plate composed of separably connected sections, the heel-portion of said sections being provided with an interposed plate, each of said sections and said plate having depending members adapted to form ball carrying sockets, and balls held in said sockets.

Signed at New York city, N. Y., this 7th day of January 1907.

ABRAHAM ARMBAND.

Witnesses:

EDWARD A. JARVIS,
ABRAM SHLIVK.