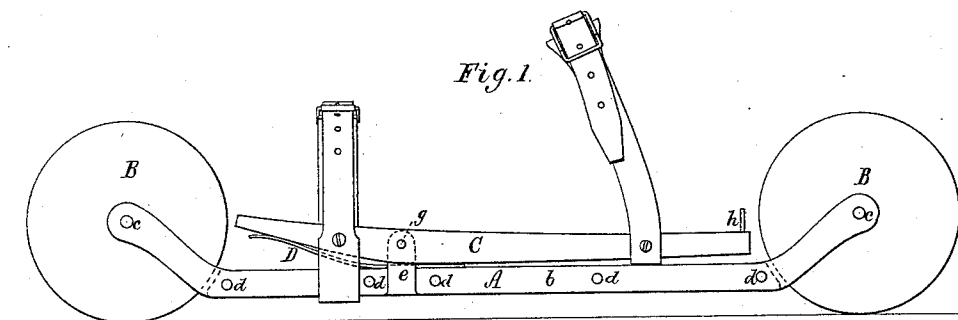
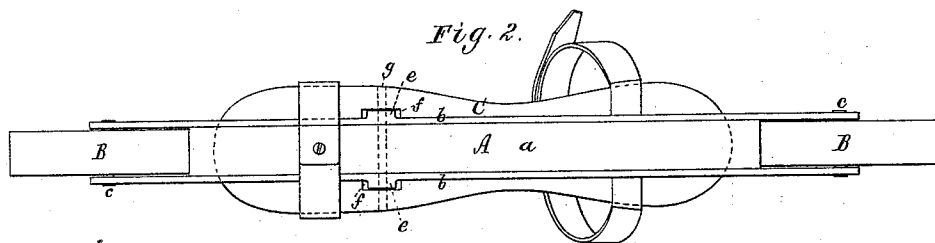
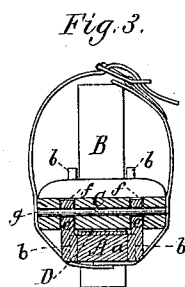


(No Model.)

R. ADAMS.
ROLLER SKATE.

No. 304,893.

Patented Sept. 9, 1884.



Witnesses
S. N. Piper
E. B. Pratt

Inventor
Richard Adams.
by R. N. Sedy atty.

UNITED STATES PATENT OFFICE.

RICHARD ADAMS, OF BOSTON, MASSACHUSETTS.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 304,893, dated September 9, 1884.

Application filed April 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, RICHARD ADAMS, of Boston, in the county of Suffolk, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Roller-Skates; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, Fig. 2 a bottom view, and Fig. 3 a transverse section, of a skate having my invention, the nature of which is defined in the claims hereinafter presented.

The skate is bicycular—that is, it has two wheels, one of which is in advance and the other in rear of the foot-rest. The said wheels are supported in the body, which is furcated at opposite ends of it to receive them. The foot-rest is pivoted to the body, and has between its toe and the body a spring, which, fastened to the body, bears upward against the foot-rest, the latter being provided with straps or suitable fastenings for securing it to the foot of a person.

In the drawings, A is the skate-body, which, as shown, is composed of a bar, *a*, of wood and two metallic bars, *b b*, applied to opposite sides of it, each of the bars *b* at the ends of the bar *a* being bent upward or inclined, as represented. The two wheels B B are arranged one in advance and the other in rear of the bar *a* and between the metallic bars *b b*, into which the axles or journals *c c* of the wheels are extended. The three bars *a*, *b*, and *b* are secured together by rivets *d* going through them, and there is extended upward from each bar *b* an ear, *e*. These ears enter slots *f* in the foot-rest C, a pin, *g*, going through such and the said ears, whereby the foot-rest becomes pivoted to the body A. A spring, D, fastened to the body, projects forward of and between the two ears, and bears upward against the foot-rest near its toe or front end. The two wheels reach somewhat below the body, and also above the foot-rest, there being to the latter, at its rear end, an abutment, *h*, for the heel of the boot or shoe of a person to bear against, in order to keep the boot or shoe from contact with the rear wheel. By having a foot-rest a separate piece from the

body and pivoted thereto, so as to enable the foot-rest to tilt lengthwise of it relatively to the body, and by having the pivotal devices of the two arranged at that part of the foot-rest which is immediately under the junction of the phalanges and metatarsus of the foot of person when sustained by the foot-rest, a person while skating can, without lifting either wheel from the ground, raise his foot and the rest at the heel, as he usually does in walking. The spring subsequently operates to tip the foot-rest back upon the body. By having the foot-rest separated from and pivoted to the body, and by having the spring between them, as described, a person can skate with much greater ease and convenience than he could were his foot to rest directly on the body of the skate.

Wheels of large diameter can be used in the above-described skate, so as to cause it to run with ease and at a high velocity or speed.

I do not claim in either a carriage or a roller skate a platform provided with wheels arranged at and pivoted to it at its opposite ends, whether the platform be in part or in whole below a line joining the axes of the wheels; nor do I claim a pedicycle constructed as represented in the United States Patent No. 278,185.

I claim—

1. The combination of the foot-rest, pivoted to the wheel-supporting portion or body of the skate, with such portion or body, and with the spring arranged between the two, and to press upward the foot-rest in front of its connection with the body, all being substantially as set forth.

2. The combination of the two metallic wheel-supporting bars *b*, bent upward, and provided with ears *e*, as described, with the bar *a*, arranged between and fastened to them, (the said bars *b*,) and with the foot-rest connected, as explained, with the ears, there being between and pivoted to the said metallic bars two wheels, and between the foot-rest and the median bar under it a spring to operate such rest, as explained.

RICHARD ADAMS.

Witnesses:

R. H. EDDY,
E. B. PRATT.