

(No Model.)

F. W. HILL.
ROLLER SKATE.

No. 346,158.

Patented July 27, 1886.

Fig. 1

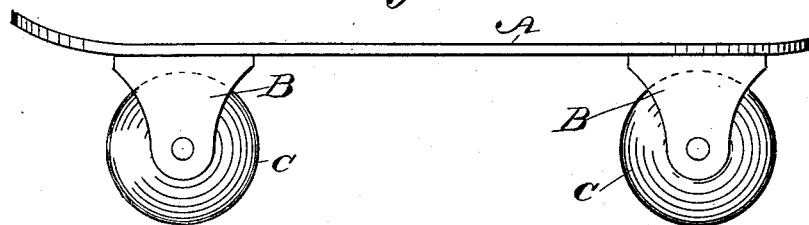


Fig. 2

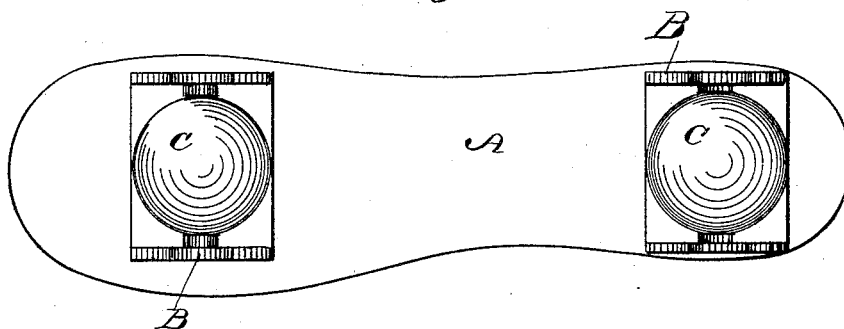
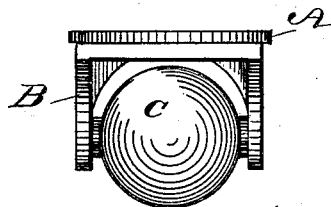


Fig. 3



Witnesses
William Preston
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Inventor
Frederick W. Hill
By Andrew O'Neill
his Atty.

UNITED STATES PATENT OFFICE.

FREDERICK W. HILL, OF NEW HAVEN, CONNECTICUT.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 346,158, dated July 27, 1886.

Application filed August 18, 1884. Serial No. 140,782. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. HILL, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, 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.

10 My invention relates to certain new and useful improvements in roller-skates, and has for its object to provide rolls for the same which will wear more uniformly and enable the user to turn more readily than those now in use; and with these ends in view my invention consists in the details of construction and combination of elements hereinafter fully and in detail explained, and then specifically designated by the claim.

20 In order that those skilled in the art to which my invention appertains may fully understand its construction and operation, I will proceed to describe the same in detail, referring by letter to the accompanying drawings, forming a part of this specification, in which—

25 Figure 1 is an elevation of a skate embodying my improvements; Fig. 2, a bottom view, and Fig. 3 a rear elevation.

Similar letters denote like parts in the several figures of the drawings.

30 A is the frame or foot-piece, which I make

of thin flexible material, the object of which is to allow it to conform to the shape of the shoe of the wearer and yield when in use, thereby preventing any strain of the muscles of the ankle and foot.

Bare rolls journaled in the hangers C. These rolls are spherical in shape, which allows them to turn more readily than the cylindrical, and they also wear longer, as there are no edges to become blunted and chipped, which in a short time renders the cylindrical rolls useless.

I have shown but two rolls to a skate; but I do not wish to limit myself to that number, as three or four may be used with equal facility; and I also do not wish to be understood as limiting myself to the kind of hangers used or the manner in which the rolls are journaled, as the gist of my invention rests in the broad idea of a spherical roll.

Having thus fully described my invention, what I claim as new and useful is—

In a roller-skate, the combination, with a flexible foot-piece, of the spherical roller secured to said foot-piece, substantially as described.

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

FREDERICK W. HILL.

Witnesses:

LUCIUS P. DENING,
GEO. M. WHITE.