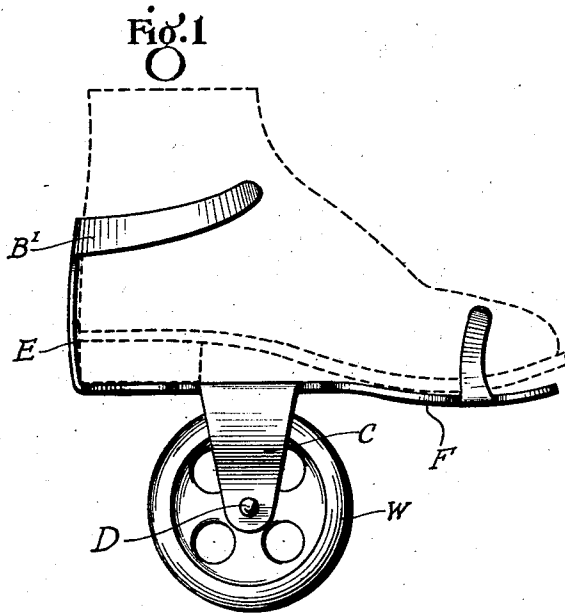
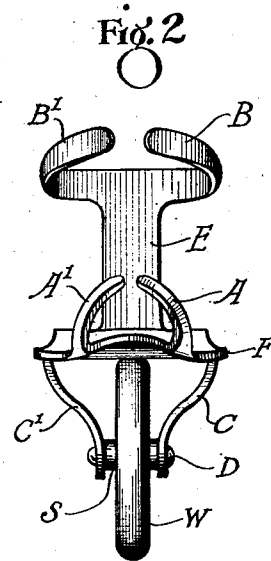
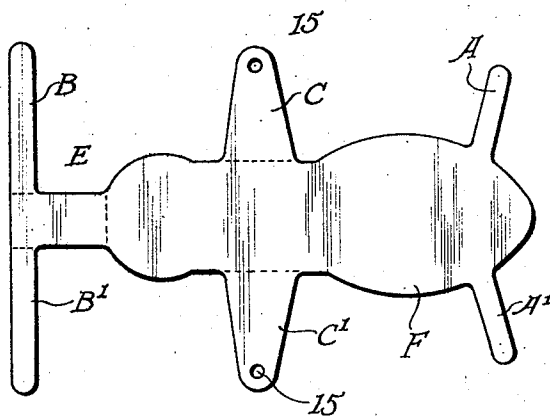
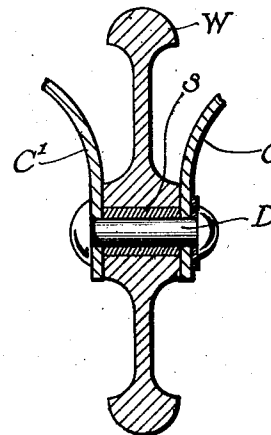


B. F. SPENCER.
 ROLLER SKATE.
 APPLICATION FILED JAN. 23, 1920.

1,369,849.

Patented Mar. 1, 1921.



WITNESSES
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BENJAMIN FRANKLIN SPENCER, OF LOS ANGELES, CALIFORNIA.

ROLLER-SKATE.

1,369,849.

Specification of Letters Patent.

Patented Mar. 1, 1921.

Application filed January 23, 1920. Serial No. 353,506.

To all whom it may concern:

Be it known that I, BENJAMIN FRANKLIN SPENCER, a citizen of the United States, and formerly a resident of Atlanta, in the county of Fulton and State of Georgia, but now residing in the city of Los Angeles, State of California, have invented certain new and useful Improvements in Roller-Skates, of which the following is a specification.

My invention relates to roller skates, and the purpose of the invention is the provision of a skate in which the foot plate and clamping plates as well as the supporting brackets for the wheel are formed from a single sheet of metal, thus permitting the stamping of the same and thereby materially reducing the cost of manufacture.

It is also a purpose of my invention to provide a roller skate in which the clamping members are positioned to effectively embrace the foot for securely retaining the skate thereupon.

I will describe one form of roller skate embodying my invention, and will then point out the novel features thereof in claims.

In the accompanying drawings:—

Figure 1 is a view, showing in phantom a shoe having applied thereto one form of skate embodying my invention;

Fig. 2 is a view, showing in front elevation the skate shown in Fig. 1;

Fig. 3 is a vertical sectional view through the wheel and supporting brackets;

Fig. 4 is a view, showing the body of the skate as it is stamped from a single piece of metal and before it is bent into the forms shown in Figs. 1 and 2.

Similar reference characters refer to similar parts in each of the several views.

Referring specifically to the drawings, and particularly to Fig. 4, F designates a foot plate which is curved at its forward end, as shown in Figs. 1 and 2, to conform to the contour of the sole of the shoe. Adjacent its forward end, the foot plate F is formed at opposite points upon its edge with upwardly and inwardly extending arms A and A' which constitute the toe clamp of the skate. At the rear end of the foot plate, it is provided with an upwardly extending extension E at the free end of which latter is carried a pair of forwardly

and upwardly curved arms B and B' which constitute the ankle clamp of the skate. Depending from and formed integral with the foot plate are a pair of brackets C and C' which are curved inwardly, as clearly shown in Fig. 2 and are formed with openings 15, as shown in Fig. 4, through which an axle D extends, as clearly shown in Fig. 3. Arranged between the free ends of the brackets C and C' and surrounding the axle D is a wheel W, while interposed between the hub of the wheel and the axle is a bearing sleeve S which loosely embraces the axle so that the wheel W can be freely rotated upon the latter.

By reference to Figs. 1 and 2, it will be seen that the curvature of the arms comprising the angle clamps and toe clamp are such that they securely embrace the same and thereby effectively maintain the skate in applied position upon the foot. As these clamps are formed integral with the foot plate F, it is obvious that the employment of securing devices of various characters as in the usual form of skate is eliminated. The brackets C and C' being bent inwardly, as shown in Fig. 2, serve as a resilient support for the foot plate F and thus absorb the shocks transmitted to the wheel W.

As shown in Fig. 4, the foot plate F and the arms A, A' and B and B' are all formed from a single sheet of metal which can be readily stamped from a blank. This manifestly permits of the rapid making of the skate at a minimum cost as compared to roller skates of the usual construction.

Although I have herein shown and described only one form of roller skate embodying my invention, it is to be understood that various changes and modifications may be resorted to without departing from the spirit of the invention and the spirit and scope of the appended claims.

Having thus described my invention, I claim:—

1. A roller skate comprising, a body formed of a single sheet of metal comprising, a foot plate, arms extending upwardly and inwardly of said plate adjacent the forward end thereof and adapted to engage the toe portion of the foot, an extension on the rear end of the plate, ankle embracing arms on the free end of said extension, said

arms extending forwardly, inwardly and upwardly with respect to said plate, and brackets depending from said plate intermediate its ends, and a wheel journaled in
5 said brackets.

2. A roller skate comprising, a wheel supported foot plate, a pair of substantially

rigid arms arranged on the body for clampingly engaging the toe portion of a foot, and a second pair of substantially rigid 10 arms on the body and arranged to embrace the ankle and to normally prevent displacement of the foot from the first pair of arms.

BENJAMIN FRANKLIN SPENCER.