

March 11, 1958

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2,826,422

BRAKE FOR ROLLER SKATES

Filed Sept. 20, 1955

2 Sheets-Sheet 1

*Fig. 1.*

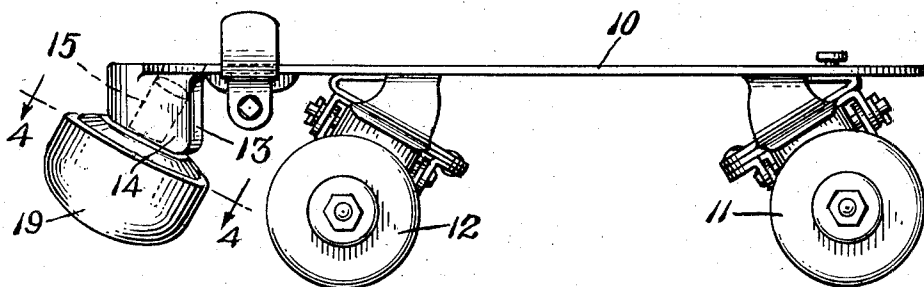


*Fig. 2.*

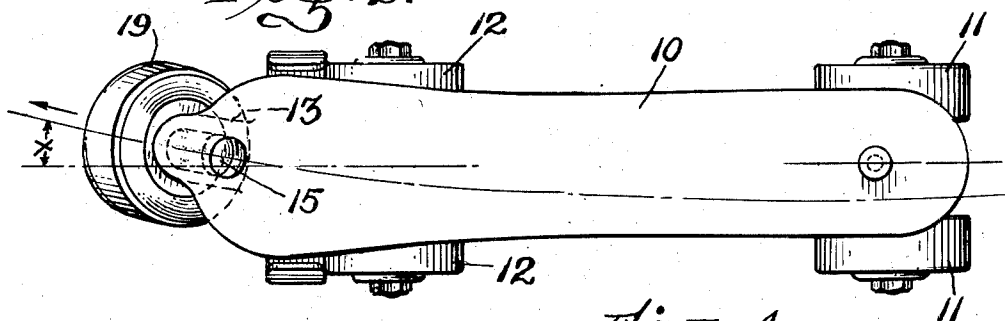


*Fig. 3.*

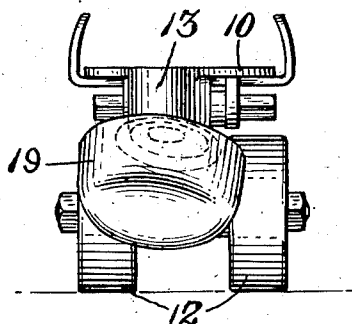


*Fig. 4.*

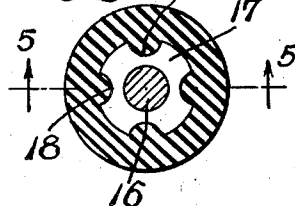
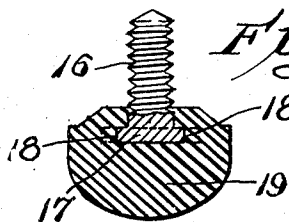


*Fig. 5.*



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*Fig. 6.*

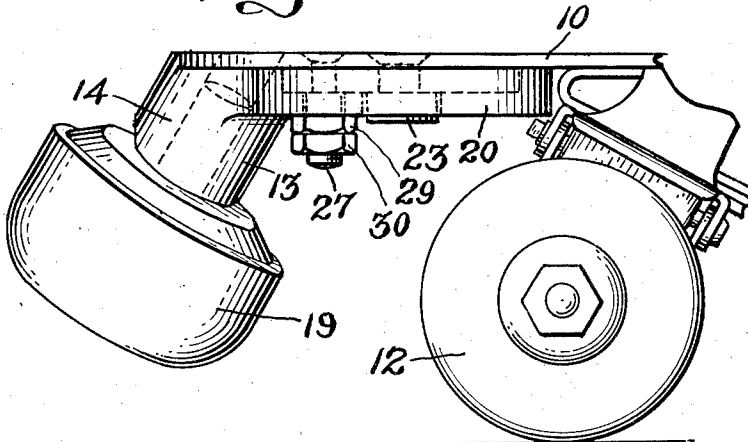


*Fig. 7.*

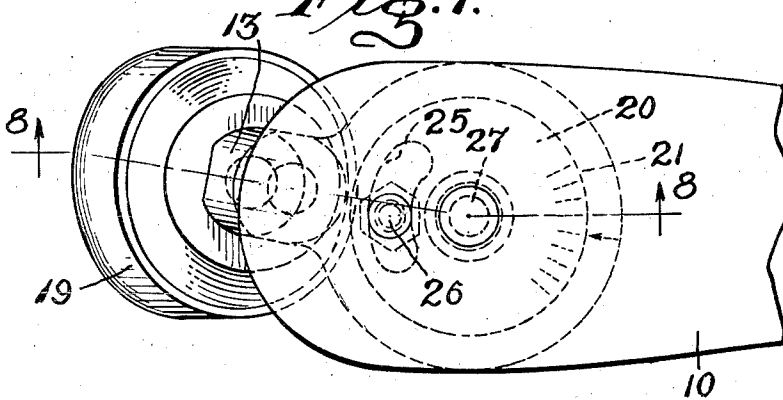


*Fig. 8.*

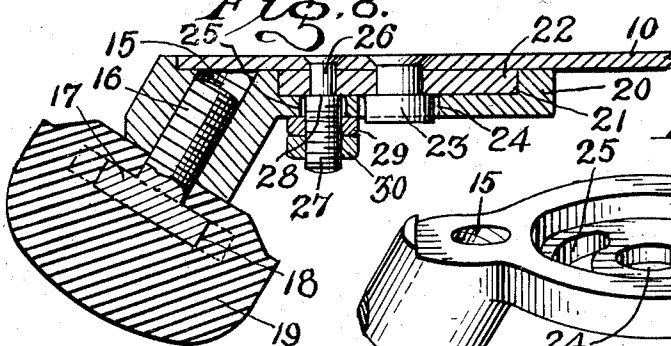
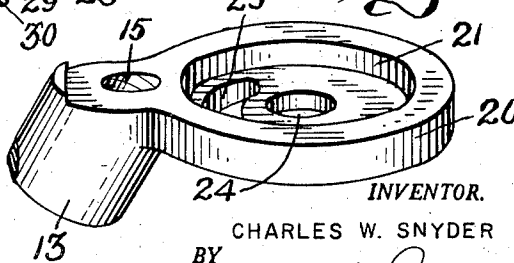


*Fig. 9.*



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## BRAKE FOR ROLLER SKATES

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Application September 20, 1955, Serial No. 535,392

4 Claims. (Cl. 280—11.2)

The present invention relates to a brake for roller skates and it consists in the combinations, constructions and arrangements of parts herein described and claimed.

Generally the present invention relates to an improved brake for roller skates. In all previous devices of this kind, the brake device extended forwardly and in line with the major longitudinal axis of the roller skate proper. It should be noted that in exhibition roller skating, the skater usually travels in a rather large circle with his body facing toward the center of such circle. Hence, with braking devices heretofore used the direction in which the braking devices extended was always in a line tangential with such circular path of the skater. The present invention discloses a brake which extends angularly inwardly with respect to each skate. In other words, viewing the left skate in plan would show the present braking device extending slightly to the right while viewing the right skate in plan would show the braking device extending slightly to the left. To express it another way, both skates are equipped with braking devices which "toe in" thus making the braking devices extend more in line with the direction of travel of the skater as above set forth. The present braking device also embodies novel means for securing a rubber stop member to its associated shank. The invention also contemplates the provision of an adjustable brake member.

It is accordingly an object of the invention to provide a novel brake for roller skates.

Still another object of the invention is to provide, in a device of the character set forth, novel securing means between a buffer member and a shank member associated therewith.

A further object of the invention is to provide a device of the character set forth which is adjustably connected to the platform of its associated skate.

Other and further objects of the invention will become apparent from a reading of the following specification taken in conjunction with the drawings, in which:

Figure 1 is a side elevation view of an embodiment of the invention,

Figure 2 is a plan view thereof.

Figure 3 is a front elevational view of the device illustrated in Figures 1 and 2,

Figure 4 is a sectional view taken along line 4—4 of Figure 1,

Figure 5 is a sectional view taken along line 5—5 of Figure 4,

Figure 6 is an enlarged fragmentary side elevational view of a modified form the invention may assume,

Figure 7 is a plan view of Figure 6,

Figure 8 is a sectional view taken along line 8—8 of Figure 7, and

Figure 9 is a fragmentary perspective view illustrating certain details of construction in the device illustrated in Figures 6 to 8.

Referring more particularly to the drawings, there is

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shown a roller skate having a platform 10, rear supporting wheels 11 and forward supporting wheels 12.

A brake mounting body 13 is formed integrally with the under side of the forward end portion of the platform 10 and the longitudinal axis of the body 13 extends inwardly at an angle with respect to the longitudinal axis of the skate platform 10, such angle being indicated at X in Figure 2. It should be understood that by "inwardly" is meant, in the case of the left skate, that the member 13 extends to the right as viewed from above while in the case of the right skate, the member 13 extends to the left as viewed from above so that when a skater is equipped with the usual two skates, the brake devices of the present invention will extend slightly toward each other when the skate bodies are parallel to each other.

The brake mounting body 13 is provided with a forwardly and upwardly extending lower face 14 and an interiorly grooved passage 15 extends upwardly and rearwardly from the face 14 through the body 13 and the platform 10.

The brake proper consists of an exteriorly threaded shank 16 threadably receivable in the passage 15 the lower end of which has integrally formed therewith an anchor plate 17 which is generally circular but which is provided with a series of circumferentially spaced semi-circular indentations 18 in the peripheral edge thereof. The anchor plate 17 and the lower portion of the shank 16 are embedded in a buffer or floor-engaging member 19 which is preferably formed of rubber or like material.

In use, when the skater desires to stop his motion, it is only necessary for him to tilt the platform 10 forwardly whereupon the ground engaging member 19 will come into contact with the ground or floor over which he is passing to thus frictionally bring such motion to a stop. By extending angularly as above set forth, which ever skate is used for such purpose will extend at a proper angle to more efficiently stop such motion. It also will be apparent that whenever desired the brake may be removed from the skate proper by unscrewing the shank 16 from its connection with the brake mounting body 13. Likewise it will be seen that the particular configuration of the anchor plate 17 will make for a more secure binding between such plate and the body of the floor-engaging member 19.

Referring now to Figures 6 to 9, inclusive, there is shown therein a device similar to that above described with the exception that the brake mounting body 13 is integrally formed with the forward portion of a circular bracket member 20 which is provided in its upper face with a circular recess 21 which is adapted to receive therein a circular projection 22 affixed to the underside of the forward portion of the platform 10 by means of a rivet 23 or the like. The lower portion of the rivet 23 is loosely received in a centrally disposed opening 24 in the bracket 20. In the forward portion of the recess 21 there is provided an arcuate slot 25 which is concentric with the opening 24 and the recess 21.

A rivet 26 extends through the platform 10 and member 22 and is provided with an enlarged exteriorly threaded lower end portion 27 which provides a shoulder 28 bearing against the underside of the member 22. The enlarged portion 27 extends through the arcuate slot 25 and is provided at its lower end with a pair of lock nuts 29 and 30.

In the operation of this form of the invention, it will be apparent that the body 13 may be placed at any desired angle with respect to the longitudinal axis of the platform 10 by loosening the nuts 29 and so positioning the body 13 after which it is merely necessary to lock the nuts 29 and 30 in customary manner.

While but two forms of the invention have been shown and described herein, it will be readily apparent to those

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skilled in the art that many minor modifications may be made without departing from the spirit of the invention or the scope of the appended claims.

What is claimed is:

1. In combination with a roller skate having a platform and supporting wheels, a brake comprising a circular bracket having a circular recess in the upper face thereof and a circular opening therethrough concentric with said recess, a circular member, a first rivet centrally affixing said circular member to the underside of the forward portion of said platform and having a portion extending loosely through said opening in the bracket, said bracket having an arcuate slot extending therethrough in said recess and formed concentrically with said opening and said recess, a second rivet interconnecting said circular member and said bracket forwardly of said first rivet and having an enlarged threaded extension protruding through said arcuate slot, a pair of lock nuts upon the lower portion of said extension, a brake mounting body affixed to the forward portion of said bracket and having an upwardly and rearwardly extending interiorly threaded passage therein, an exteriorly threaded shank receivable in said passage and a floor-engaging buffer affixed to the lower end of said shank.

2. A device as defined in claim 1 wherein said shank

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has an anchor plate integrally formed with its lower end, said anchor plate being circular and provided with a series of circumferentially spaced semi-circular recesses in the peripheral portion thereof, and wherein said anchor plate and the lower portion of said shank are embedded in the body of said buffer.

3. A roller skate comprising a platform, supporting wheels, and a brake carried by the forward portion of the platform and having its axis extending forwardly and downwardly at an obtuse angle with respect to said platform, said axis of said brake lying in a plane forming an acute angle with respect to a vertical plane extending through the longitudinal axis of said platform.

4. A device as defined in claim 3 wherein said angular relation between said plane lies upon the inner side of said longitudinal axis with respect to the foot of the wearer.

#### References Cited in the file of this patent

##### UNITED STATES PATENTS

|           |         |               |
|-----------|---------|---------------|
| 2,551,122 | Hayner  | May 1, 1951   |
| 2,727,749 | Fackler | Dec. 20, 1955 |

##### FOREIGN PATENTS

|         |               |                |
|---------|---------------|----------------|
| 492,766 | Great Britain | Sept. 27, 1938 |
|---------|---------------|----------------|