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H. CASLER

SKATE WHEEL

Filed March 20, 1925

Fig. 1.

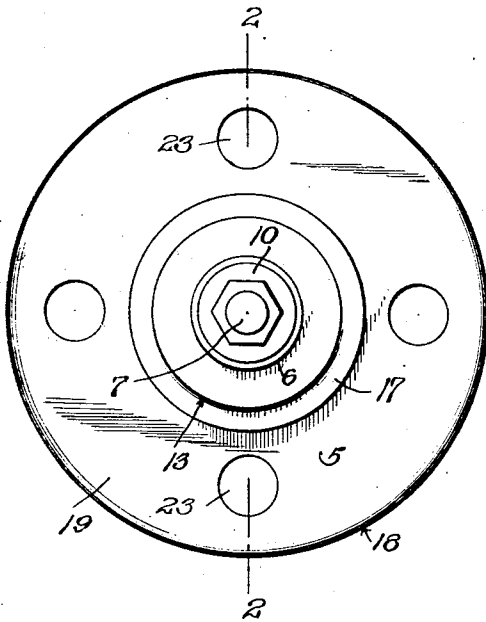


Fig. 2.

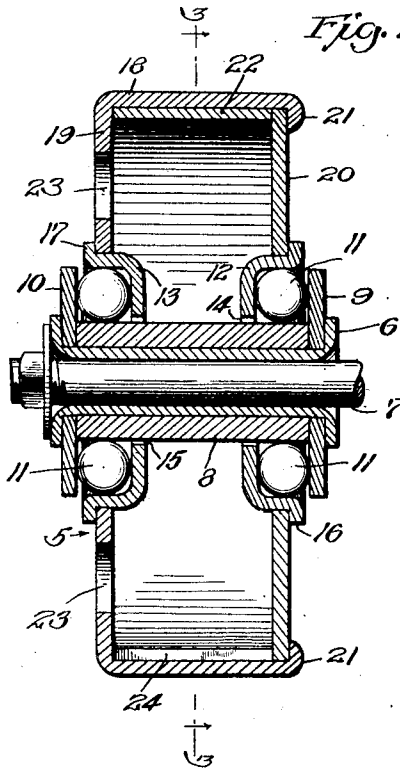


Fig. 3.

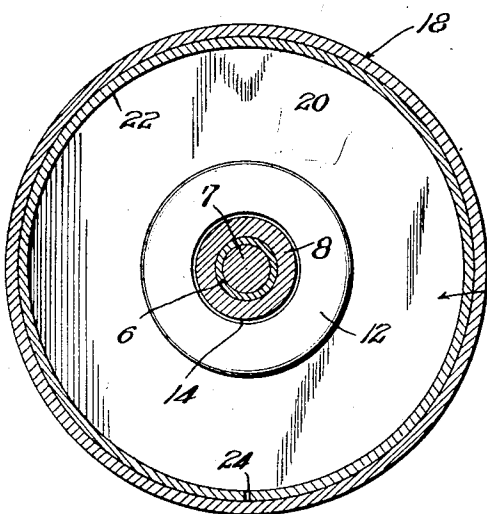
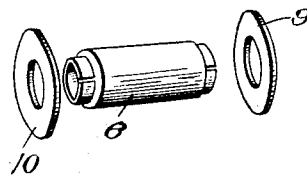


Fig. 4.



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# UNITED STATES PATENT OFFICE.

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TO REX WATSON CORPORATION, OF CANASTOTA, NEW YORK.

## SKATE WHEEL.

Application filed March 20, 1925. Serial No. 16,958.

My invention relates to skate wheels and has for its object to provide a strong, efficient wheel of economical construction, the parts of which can be easily and quickly assembled.

Other and further objects and advantages will be in part described and in part obvious as the description is proceeded with.

In the accompanying drawings forming part of this specification:

Figure 1 is a view in elevation of a roller skate wheel embodying my invention;

Figure 2 is a view in transverse section of the same on the line 2—2 of Figure 1;

Figure 3 is a section on the line 3—3 of Figure 2; and

Figure 4 is a view of the split sleeve with washers removed.

Referring more particularly to the drawings wherein like reference numerals refer to corresponding parts throughout the several views, 5 denotes a roller skate wheel comprising a split sleeve member 6, mounted upon an axle 7. A hub member 8 of slightly less length than the split sleeve 6 is snugly secured upon the latter. Inner and outer flat washers 9 and 10, mounted upon the respective ends of the sleeve 6, bear against the respective ends of the hub 8 and are held in place when the ends of the sleeve 6 are swaged over as illustrated in Figures 1 and 2.

Ball bearings 11 which rest upon the hub 8, are confined between the washers 9 and 10 by inner and outer bearing cups 12 and 13, it being understood that the cups are rotatably supported upon the hub 8, by means of the bearings. It will be noted that the bearing cups 12 and 13 have central openings 14 and 15, also peripheral side flanges 16 and 17 respectively.

A peripheral wheel cup or tread member 18 is supported at its outer side upon the cup 13, by the side wall 19 of the tread member 18, and at its other side is supported upon a disc 20, which in turn snugly seats upon the bearing cup 12, a flange 21 on the member 18 being provided for a purpose about to be described.

Positioned between the side wall 19 and the disc 20, is a ring like band 22 of a size to seat snugly against the inner periphery of the tread member 18 and against the inner face of the disc 20. This band 22 tightly clamps the disc 20 against the aforesaid flanges 16 and 21. The side wall 19 of the tread member is preferably provided with apertures 23, to facilitate assembly of the various parts. It will be noted that the band 22 is split as at 24, that is its meeting edges are not connected. Consequently this member can be readily sprung into place.

From the foregoing it will be readily seen that the wheel parts can be easily and quickly assembled and held tightly in place without the use of screws or bolts.

Having thus described my invention what I claim as my invention is:

A roller bearing comprising a sleeve, a tubular member of less length than said sleeve and mounted upon said sleeve, flat washers on said sleeves, the ends of said sleeves swaged to clamp the washers against the ends of said tubular member, ball bearings and bearing cups therefor holding said bearings against said washers and said tubular member.

In testimony whereof I affix my signature.

HERMAN CASLER.