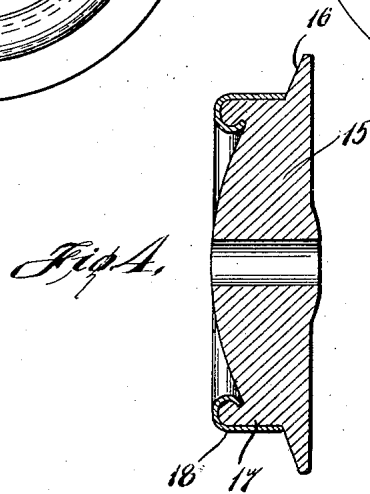
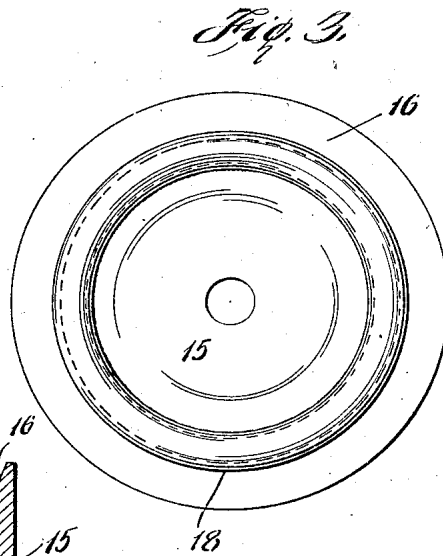
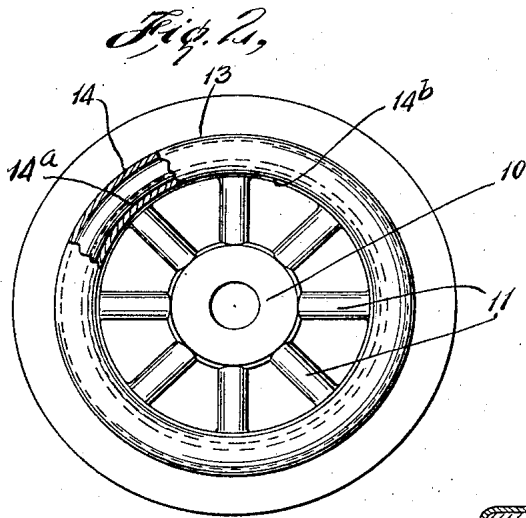
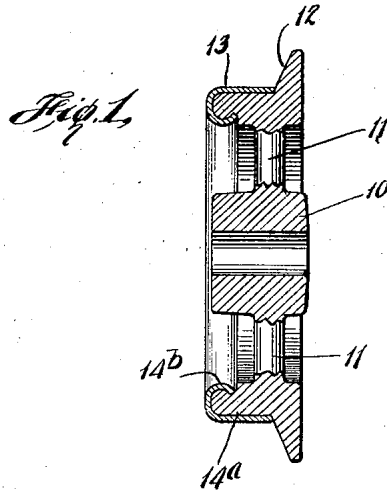


March 17, 1925.

1,529,870

M. CARUSO  
TOY CAR WHEEL

Filed April 24, 1923



MARIO CARUSO  
INVENTOR

BY *Morris Fishbein*  
ATTORNEY

# UNITED STATES PATENT OFFICE.

MARIO CARUSO, OF IRVINGTON, NEW JERSEY, ASSIGNOR TO THE LIONEL CORPORATION, A CORPORATION OF NEW YORK.

TOY CAR WHEEL.

Application filed April 24, 1923. Serial No. 634,312.

REISSUED

*To all whom it may concern:*

Be it known that MARIO CARUSO, citizen of the United States, residing at Irvington, in the county of Essex and State of New Jersey, has invented certain new and useful Improvements in Toy Car Wheels, of which the following is a specification.

This invention relates to toy car wheels. One object thereof is to provide a wheel for toy cars, toy locomotives, and the like toy vehicles, which shall be comparatively cheap and simple to manufacture, and efficient in operation to a high degree.

Another object of the invention is to provide a toy car wheel which may be manufactured by a simple die casting process and shall yet have sufficient mass and a smooth tread so as to permit of its effective use in connection with the toy vehicle.

Other objects of this invention will in part be obvious and in part hereinafter pointed out.

The invention accordingly consists in the features of construction, combinations of elements and arrangement of parts which will be exemplified in the construction hereinafter described and of which the scope of application will be indicated in the following claims.

In the accompanying drawing, in which is shown one of various possible illustrative embodiments of this invention,

Fig. 1 is a vertical cross-sectional view of the toy wheel embodying my invention;

Fig. 2 is a face view thereof partly broken away;

Fig. 3 is a face view of a modified form of the invention showing a wheel of the disc type; and

Fig. 4 is a vertical cross-sectional view of the wheel shown in Fig. 3.

Referring in detail to the drawing, 10 indicates the hub from which extend the radial spokes 11. 12 is the flange of the wheel and 13 indicates the tread. The various parts just described are preferably formed in one operation by die-casting. In order to provide a smooth tread surface and to give added mass to the wheel, I provide the tread with a facing 14 in the form of a thin annular member of smooth sheet

metal which may be spun on or otherwise tightly forced on the tread. This annular member comprises a tire portion 14<sup>a</sup> which fits snugly over the tread surface and a face portion 14<sup>b</sup> downturned from the tire portion which fits against the face portion of the tread.

In Figs. 3 and 4 I show a modification of the invention as applied to a toy wheel which imitates the disc type of automobile wheel, 15 indicates the wheel body, 16 the flange and 17 the tread. A similar facing member 18 is spun on or otherwise securely fitted over the tread in the manner and for the purpose already described.

It will thus be seen that there is provided a device in which the several objects of this invention are achieved and which is well adapted to meet the conditions of practical use.

As various possible embodiments might be made of the above invention and as various changes might be made in the embodiment above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limiting sense.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. In a toy wheel for toy vehicles, a wheel body having a rim tread portion and a facing for said tread portion fitted snugly thereover and made of comparatively thin sheet metal, said facing having an edge thereof inturned and clinched on the interior side of the rim tread.

2. In a toy wheel for toy vehicles, a wheel body including a die cast flange portion and rim tread portion, and a facing for said tread portion fitted snugly thereover inturned at its free edge portion and clinched on the interior side of the rim tread, said facing being formed of comparatively thin sheet metal.

3. In a toy wheel for toy vehicles, in combination with the rim tread of the wheel, a facing for said tread, comprising an annular member of comparatively thin sheet metal spun on said tread, said member having an

edge thereof inturned and clinched on the interior side of the rim tread.

4. In a toy wheel for toy vehicles, in combination with a die cast wheel body including a hub, radial spokes, flange and rim tread, a facing for said tread comprising an annular member of comparatively thin

sheet metal spun to extend from the flange over said tread, inturned at its free edge portion and clinched on the interior side 10 of the rim tread.

In testimony whereof I affix my signature.

MARIO CARUSO.