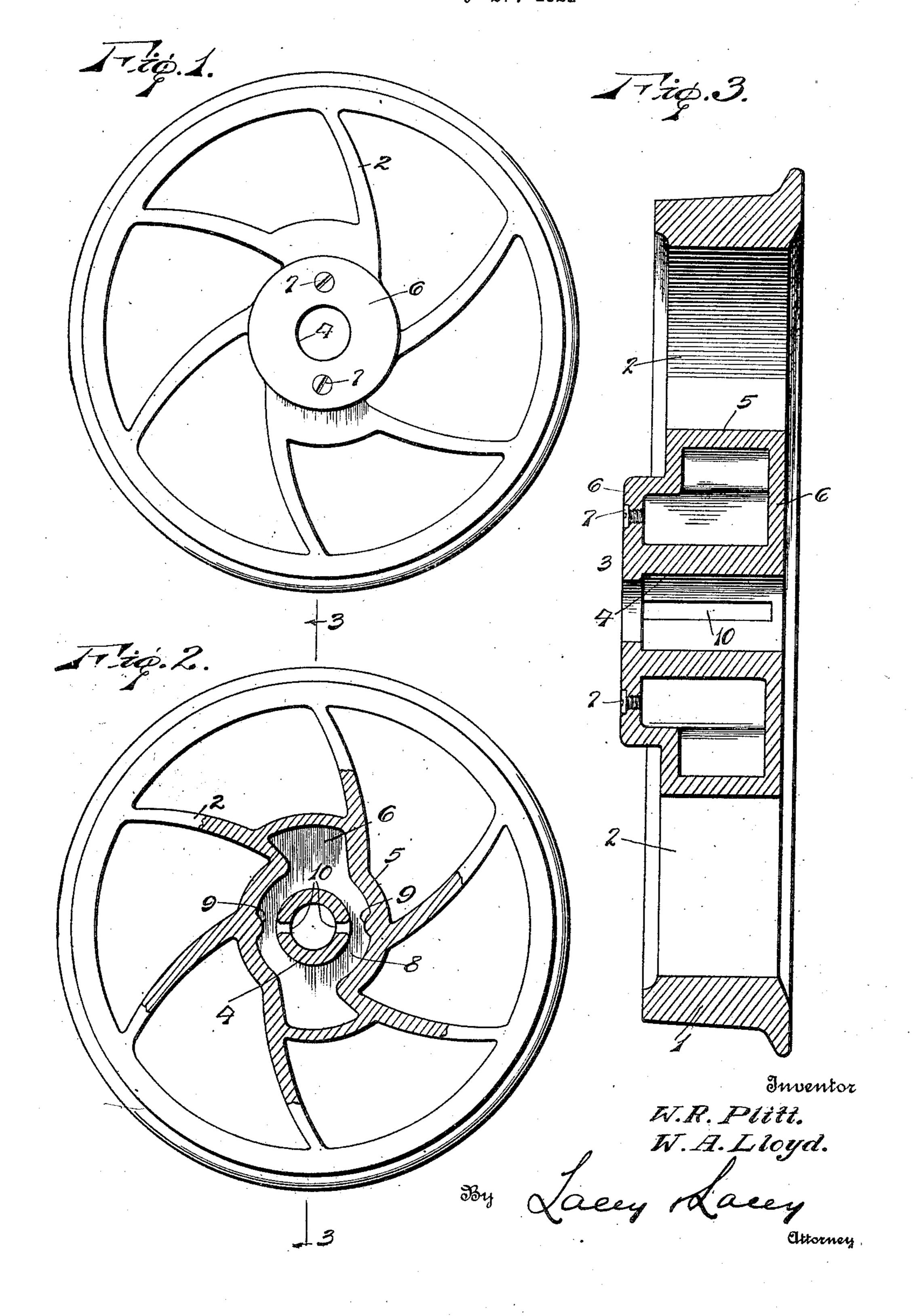
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CAR WHEEL

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This invention relates to car wheels and vided with beveled or rounded outer edges. 60 is intended more particularly for mine car The wheel is secured upon the car axle all times and in which the wear between the smooth and as it is a hard chilled surface 20 the claim.

In the drawings—

embodying our invention;

25 away and in section;

3-3 of Fig. 2.

indicates the spokes and 3 denotes the hub, ily understood. these parts being cast as one integral struc- Our improved wheel is exceedingly simple may be of softer material. The hub in- and described, we attain a very easy runing the several spokes and the end portions in which the wear will be minimized. of the said web are disposed at a greater Having thus described the invention, what distance from the center of the wheel radi- is claimed as new is: ally than the intermediate portions, the said A car wheel consisting of a hub, spokes web being connected with the central sleeve and a rim forming integral parts; radial 4 by end walls 6 thereby defining a space projecting front and rear flanges on said or chamber between the central sleeve and hub, cylindrical walls extending between the webs into which oil or other lubricant may be fed through filling openings in the outer end wall 6 normally closed by plugs 7. around said hub, other short cylindrical It will be noted upon reference to Fig. 2 that the end portions of the oil chamber are of considerable capacity and are connected

To all whom it may concern: centric with the inner sleeve 4 of the hub. Be it known that we, Walter R. Plitt On the inner surfaces of the webs 5, at about and William A. Lloyd, citizens of the the centers of the narrow channels 8, are United States, residing at Meyersdale, in the ridges or longitudinal projections 9 which 55 county of Somerset and State of Pennsyl- have substantially semicircular cross secvania, have invented certain new and useful tions and constitute splashers to direct the Improvements in Car Wheels, of which the oil into and through the openings 10 formed following is a specification.

radially through the inner sleeve 4, and pro-

wheels but is, of course, applicable to all in the usual or any preferred manner by the wheels which rotate upon an axle. The employment of stop rings, nuts, or other object of the invention is to provide a strong well-known devices. The entire inner surand durable wheel which will run easily at face of the inner sleeve 4 of the hub is 65 axle and the hub will be minimized. The it will run upon the axle readily without invention is illustrated in the accompany- cutting into the same or being worn away ing drawings and will be hereinafter fully by the axle. The lubricant chamber is indescribed and specifically pointed out in tended to be filled with oil and as the wheel 70 rotates the oil will flow from end to end of the said chamber through the intermediate Figure 1 is a side elevation of a car wheel channels 8 and this circulation of the oil will cause it to strike against the projec-Fig. 2 is a similar view, partly broken tions 9 with considerable force so that it 75 will be thrown toward the sleeve 4 and will Fig. 3 is a transverse section on the line pass through the openings 10 therein to reach the axle around which it will form a In the drawing, the reference numeral 1 thin film between the axle and the inner indicates the tread or rim of the wheel, 2 surface of the hub sleeve 4, as will be read- 80

ture. The hub includes a central sleeve 4 of and may be produced at a low cost. By emhard chilled metal and the rim 1 may also ploying a hard chilled inner hub sleeve and be hard chilled metal but the other parts lubricating the axle in the manner shown 85 cludes an irregularly shaped web 5 connect- ning wheel which will be very durable and

said flanges and connecting some of the 95 spokes forming a cylindrical chamber walls connecting the remaining spokes and extending from the rear flanges, and offset flanges between said first cylindrical walls 100 with each other through narrow side por- and said short walls forming pockets comtions or channels 8 which are disposed con- municating with said cylindrical chamber,

narrow apertures with wide mouths being provided through the hub extending the entire length of said chamber, and splash ridges of semicircular cross sections across said cylindrical chamber opposite said apertures, and of the same length as the latter, whereby the lubricant contained in said

chamber will be forced through said apertures by said ridges during the rotation of the wheel.

In testimony whereof we affix our signa-

tures.

WALTER R. PLITT. [L. s.] WILLIAM A. LLOYD. [L. s.]