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DISK STEERING WHEEL FOR AUTOMOBILES

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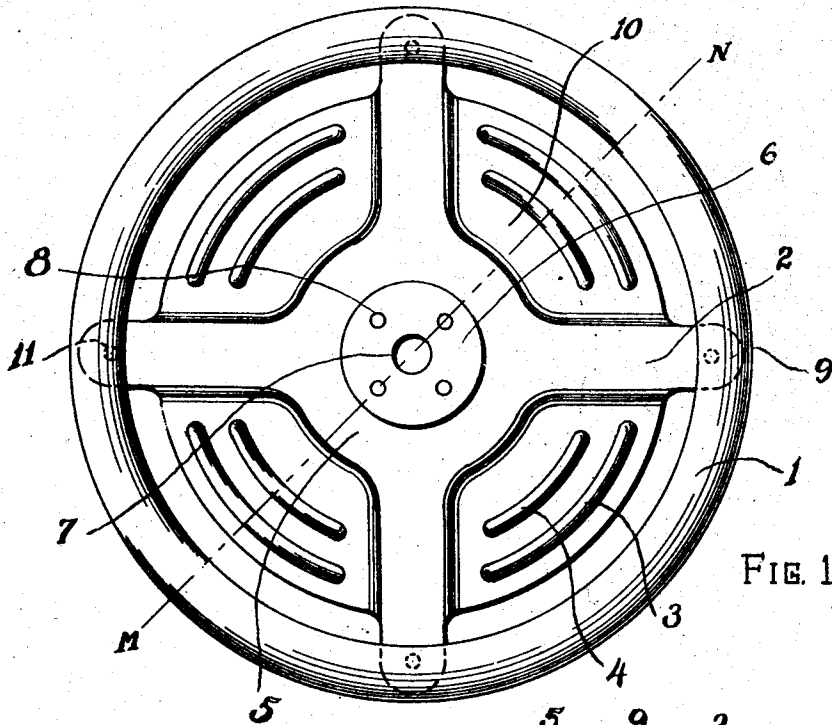


FIG. 1

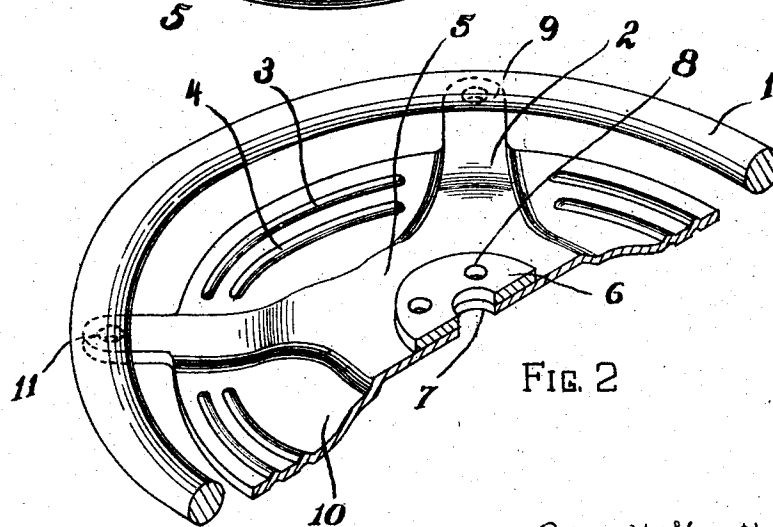


FIG. 2

WITNESSES

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DISK STEERING WHEEL FOR AUTOMOBILES.

Application filed November 8, 1924. Serial No. 748,772.

To all whom it may concern:

Be it known that I, ROBERT H. GARRETT, a citizen of the United States, residing at Dawson, in the county of Sangamon and State of Illinois, have invented a certain new and useful device, Disk Steering Wheel for Automobiles, of which the following is a specification.

My invention relates to steering wheels for motor vehicles, an object being in this device to simplify the character of devices such as this and not only provide a steering wheel of disk form to simplify manufacturing operations but enable the owner to have a disk wheel on his car that will neatly conform to the design of the disk wheels that are so commonly used in the present day.

My invention embodies a design and construction of disk steering wheels for automobiles that is adapted to be stamped out of sheet metal, fiber, pressed paper or formed out of laminated wood, and has certain features of construction that combine the merits of strength with beauty of design in devices for this purpose.

A particular object of my invention therefore is to provide a disk steering wheel for automobiles that will be simple, economical and durable as a disk type of steering wheel and the intended novel features of construction and design will be hereinafter more fully described in the annexed specifications, recited in the claims and illustrated in the accompanying drawings in which like reference numerals indicate the same structural parts in the two figures.

Referring to the drawings, Fig. 1 is a top view of the disk steering wheel of my invention.

Fig. 2 is an isometric drawing of a cross section M to N (Fig. 1) of the steering wheel of my invention. A careful study of this figure will reveal the intended details of construction and design and more particularly if it is studied in conjunction with the top view of the device shown in Fig. 1.

The preferred embodiment of my invention and the desired method of producing the same will now be pointed out as references are made to the several numerals in the respective figures illustrating the device of my invention.

In detail my device comprises a disk steering wheel body portion punched out of a piece of durable and substantial sheet

material such as sheet metal, fiber, pressed paper or formed out of laminated wood after which the same is secured to a rim or hand grip ready to be attached to the steering column of the automobile.

In this connection it will be particularly noted that the disk is punched from one piece and in being so punched in a subpress die, the punch method of manufacture of the disk enables the manufacturer to produce large quantities at a low cost of production.

In order to obtain a maximum of strength and beauty in design in this device I provide in its formation a plurality of integral concentrically parallel segmented ribs —3— and —4— pressed into prominent relief in the top surface of the disk —10— and in this form the circular rib segments will add substantial strength to the disk.

As an additional means of securing strength and beauty of design I provide a plurality of integral radiating ribs —2— pressed into more prominent relief having the appearance and general form of the spokes of a wheel and each of the radiating ribs terminating in a lug —9— which normally is adapted to extend a little beyond the circumferential line of the disk.

It will be further noted that the central area of the disk is pressed into a relief that brings it to an elevation slightly more pronounced than that of the radiating ribs. This central area is designated by numeral —5—. This is done to secure additional strength. A re-enforcing plate —6— is riveted to the central area in a centrally disposed position and secured by rivet means through holes —8—.

It will be noted that a convenient space is provided about the periphery of the disk and between this and the rim or hand grip —1—, making room for hand grip.

Rim —1— is secured to lugs —9— by rivet means in holes —11—.

After mounting rim —1— on the lugs —9— the steering wheel as thus assembled may be secured to the steering column of an automobile through hole —7—.

To those skilled in the art it will be evident that this disk steering wheel may be adaptable to certain minor changes without departing from the spirit and scope of this invention or sacrificing any of the intended merits thereof.

Having thus described the nature of my

invention what I claim as new and useful and desire to secure by Letters Patent is:

1. A disk steering wheel of the character described comprising in integral combination
5 a plurality of concentrically parallel segmented ribs pressed into prominent relief in the top surface of the disk, a plurality of radiating ribs pressed into more prominent relief, having the appearance and form of
10 spokes and each of said radiating ribs terminating in a lug at predetermined length beyond the normal circumferential line of the disk; a centrally disposed re-enforcing plate substantially secured to the disk and a
15 hole through the disk and the plate for mounting the steering wheel and a hole provided at the ends of said radiating ribs for the substantial support of a hand grip rim to the disk as described and for the purpose set
20 forth.

2. In a disk steering wheel of the character described the integral combination with a plurality of concentrically disposed segmen-

tal ribs pressed into prominent semi-cylindrical appearing relief in the top surface of
25 the disk, of a plurality of radiating ribs pressed into more prominent relief; said ribs having the appearance and general surface form of steering wheel spokes and each terminating in a lug at predetermined length
30 beyond the normal peripheral line of the disk and a centrally disposed re-enforcing plate substantially secured to the disk and provided with a central hole for securing the steering wheel to the steering column, and
35 a circular hand grip or rim secured to the lug terminals of the integral radiating ribs of the disk as described and for the purpose set forth.

In witness whereof I hereunto set my
hand and seal, this 29 day of October, A. D.
1924.

ROBERT H. GARRETT. [L. s.]

Witnesses:

HELEN DURHAM,

HARRY H. WASELAND.