

H. M. TAYLOR,
 WHEEL SPOKE,
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1,164,237.

Patented Dec. 14, 1915.

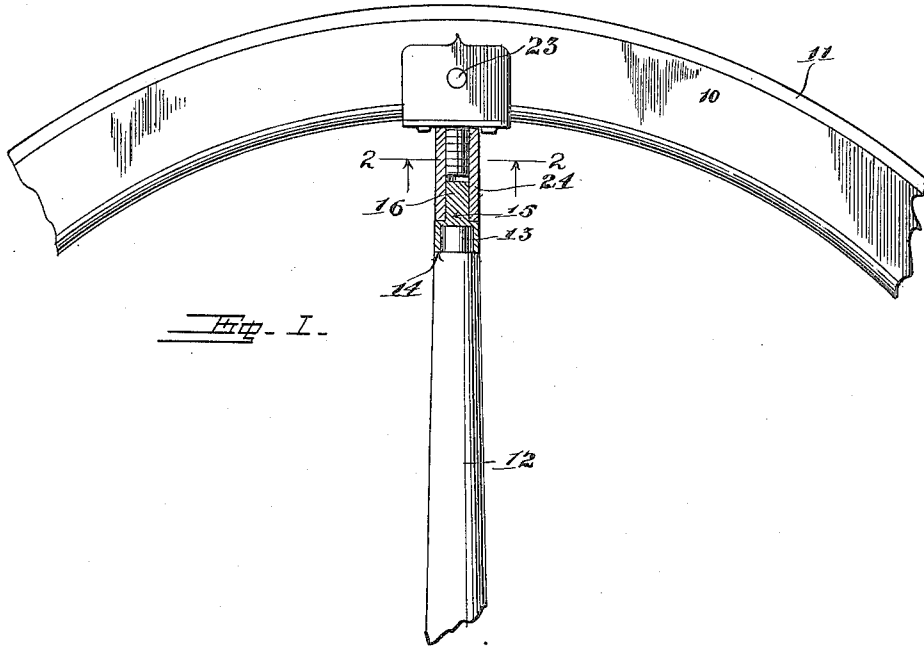


Fig. 1.

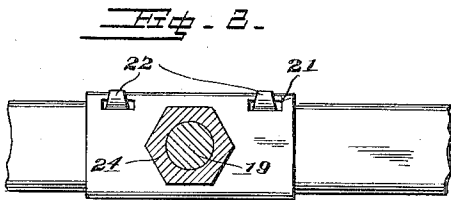


Fig. 2.

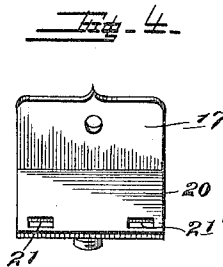
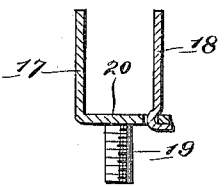


Fig. 4.

Fig. 3.



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WHEEL-SPOKE.

1,164,237.

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To all whom it may concern:

Be it known that I, HENRY M. TAYLOR, citizen of the United States, residing at Tallassee, in the county of Elmore and State of Alabama, have invented certain new and useful Improvements in Wheel-Spokes, of which the following is a specification.

This invention relates to wheels, and more particularly to an improved spoke therefor.

The object of this invention is to provide a wheel spoke that needs no socket in the felly of a wheel to be placed therein, and therefore does not weaken the felly as an ordinary spoke that has one end placed in a socket formed in the felly for the reception of the same.

Another object of this invention is the production of a spoke that can be quickly and easily placed in position and to do the same does not necessitate the removal of the rim of the wheel therefrom.

A still further object of this invention is to provide a spoke that can be tightened or loosened when it is necessary.

A still further object of this invention is to provide a device of the kind above described that is simple in construction, efficient in operation and consists of a minimum number of parts.

With these and other objects in view, this invention consists in certain combinations and arrangements of parts as will be hereinafter fully described and claimed.

In the accompanying drawings:—Figure 1 is a side elevation of a section of a wheel with my improved spoke mounted thereon showing a part of the same in vertical section. Fig. 2 is a section taken on line 2—2 of Fig. 1. Fig. 3 is a vertical section taken through the felly straddling member used with this invention. Fig. 4 is a detail perspective of one section of the straddling member shown in Fig. 3.

Referring to the parts by reference numerals, a felly of a wheel is indicated by the numeral 10, and has the ordinary rim 11 mounted thereon, and a spoke 12 of the ordinary type is shown terminating short of the inner face of the felly 10. It will, of course, be understood that one end of this spoke 12 is secured to the hub of the wheel while the opposite end is provided with a reduced portion 13 forming a shoulder 14. Mounted on this shoulder 14 is a thimble 15 that is provided with an enlarged projection 16, the

purpose of which will be hereinafter set forth. The inner ends of the thimble 15 are positioned against the shoulder 14 formed by the spoke 12 and the reduced portion 13.

A U-shaped clamping member for straddling the felly 10 is provided in this invention, and said clamping member consists of an L-shaped major section 17 and a substantially vertical minor section 18. Said major section 17 is provided with a threaded stem 19 on one face of the horizontally extending portion 20 of the member 17, and said horizontally extending portion 20 of the major section 17 is also provided with openings 21 adjacent one end thereof.

The minor section 18 of the U-shaped clamp has tongues 22 formed on the lower end thereof that are inserted through the openings 21 in the major section 17, and are folded upon the inner face of the horizontally extending member 20 of the major section 17 to insure the retaining of the minor section 18 to the major section 17. To further secure this clamp upon the felly 10 a means, as shown at 23, could be provided to pass through the sections 17 and 18, and of course through the felly, thereby insuring the retaining of said clamp upon the felly.

To connect the thimble 15 and the threaded stem 19 a sleeve 24 having internal screw threads at the outer end thereof is provided, and it is obvious that the threads above referred to provide means for the reception of the threaded stem 19 of the U-shaped clamp and the unthreaded end of the sleeve 24 for the reception of the unthreaded projections 16 of the thimble 15.

It will thus be seen that the spoke 12 is rigidly connected with the felly 10, and in case of necessity the spoke 12 and the felly 10 can be loosened or tightened relative to each other as may be desired by the placing of a wrench of any description upon the polygon sided sleeve 24 and by rotating said sleeve 24 in the desired direction.

It is obvious that minor changes may be made in the form, construction and arrangement of parts, and it is not wished to confine the invention to the structure herein contained but to cover all that is covered in the appended claim.

What is claimed is:—

In combination with a felly, and a spoke having a reduced end, a thimble mounted on said reduced end of said spoke, a U-shaped

clamp comprising an L-shaped major section having slits formed adjacent the end of the horizontally extending member of said L and a minor section provided with depending tongues inserted in said openings in said major section and bent upon the inner face of said horizontally extending member of said L for retaining said clamp in a fixed substantially U-shaped position on said felly and means for connecting said clamp and 10 said thimble.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY M. TAYLOR.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."