

A. W. Tourgee.

Wheel, wheel.

Hon. Commissioner of Patents.

Sir,

The specification is amended as follows:-

Strike out page 4 and substitute:-

"-ible metallic tire, 4, is connected to the wheel in a semi-detached manner by a series of rearwardly-curved, or

rearwardly-extending outwardly-acting springs which may be either of flat or plate form, as at 6, or of rounded or wire form, as at 11,; where flat springs are employed they are of a

width equal to the width of the felloe, the upper, or rear, outer end, 7, of each spring being curved to fit and rest

snugly against the under face of the tire, 4, to which said

springs are removably attached by pins, bolts, or rivets, 8, the forward or inner ends of said plate springs being, in

the case of an inelastic wheel having a wooden felloe, riveted into metal clamps or clips, 9, which fit close over the rim or felloe, 3, and are rigidly secured thereto by screw bolts or rivets, 10,

The rounded or wire springs, 11, are rearwardly curved, and their respective ends are curved into loop form, 12, the lower end of which ends rest against the sides of the felloe to which they are attached by screws, bolts, or rivets, 13, passed through

set forth.

said loops, 12, as shown, and the upper ends attached to the incurved sides of the tire by screws, bolts or other devices; a series of said rounded and rearwardly-curved springs is thus secured, respectively, to one side of the felloe, 3, and the adjacent incurved edge of the flexible tire and another series similarly secured to the other side of the felloe and the adjacent incurved edge of the tire. In this form of spring connection between the tire and wheel, the springs themselves operate as guides by which the tread of the enclosed wheel is kept in place upon the detached tire. If desired, both forms of springs, 6 and 11, may be employed in conjunction. Where plate springs, alone, are employed, wheel-guides, 14, consisting of pieces of metal struck up into proper shape may be riveted to the semi-detached tire so as to extend inwardly.

Strike out the claims and substitute:

"1, In a wheel for vehicles and the like, an independent tire formed of flexible metal and having spring connection with the periphery of the wheel whereby said tire becomes compressed or flattened segmentally under the weight of the load at the point of impact and the area of impact thereby increased, substantially as and for the purpose set forth.

"2, In a wheel for vehicles and the like, an independent tire of elastic and flexible metal, and a series of springs connecting the respective sides of the periphery of the wheel and said tire and elastically supporting said tire around the periphery of the wheel, substantially as and for the purpose set forth.

"3, In a wheel for vehicles and the like, an independent flexible-metal tire having incurved sides, and a series of springs connected at their lower ends to the opposite sides, respectively, of the periphery of the wheel and at their upper ends to said independent tire for the purpose of elastically and compressibly supporting said tire, substantially as and for the purpose set forth.

"4, A wheel for vehicles and the like having an independent spring-supported tire of elastic and flexible metal and of outwardly-curved formation in cross-section, substantially as and for the purpose set forth.

"5, In a wheel for vehicles and the like, an independent flexible-metal tire and a series of springs having eyed ends and arranged around and connected with at their respective ends with the opposite sides of the periphery of the wheel and with the inwardly-extending sides of the tire, substantially as and for the purpose set forth.

"6, A wheel for vehicles and the like consisting of the customary hub, spokes and periphery, an independent flexible-metal tire of greater width than the width of the periphery of the wheel and having curved sides, and a series of rearwardly-extending springs connected at their front lower ends to the periphery of said wheel and at their rear upper ends to said independent tire, substantially as and for the purpose set forth."