D12-208. OR D 31,148 EX

DESIGN.

No. 31,148. Patented July 4, 1899.

C. K. WELCH.

METALLIC WHEEL RIM.

(Application filed June 6, 1899.)

Fig. 2.

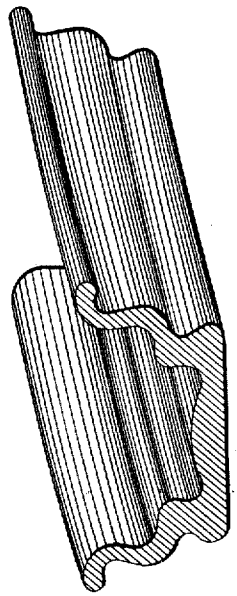
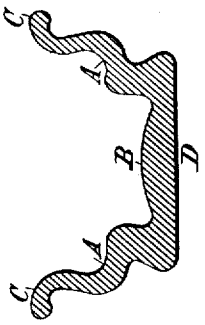


Fig. 1.



Witnesses:
Hillary C. Mossmer
Benjamin Mueller

Charles K. Welch, Inventor
by Kerr, Page & Cooper Attys.

UNITED STATES PATENT OFFICE.

CHARLES KINGSTON WELCH, OF COVENTRY, ENGLAND.

DESIGN FOR A METALLIC WHEEL-RIM.

SPECIFICATION forming part of Design No. 31,148, dated July 4, 1899.

Application filed June 6, 1899. Serial No. 719,616. Term of patent 14 years.

To all whom it may concern:

Be it known that I, CHARLES KINGSTON WELCH, engineer, a subject of the Queen of Great Britain, residing at Park House, Coventry, England, have invented and produced a new and original Design for a Metallic Wheel-Rim, of which the following is a specification.

This invention relates to a new and original design for metallic wheel-rims for use with pneumatic tires, and is more particularly applicable to wheel-rims for motor-driven road-vehicles.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a transverse section, and Fig. 2 is a perspective view of my improved wheel-rim.

According to my new design a metallic wheel-rim is formed with shoulders A A, upon which the inextensible edges of the tire cover or jacket are adapted to rest, and with a trough or groove B. The middle portion of the trough is rendered shallower than the side portions thereof by the increased thickness of the central part of the base of the rim. The edges of the said wheel-rim above the shoulders A A are inclined slightly inward and then curved outwardly, so as to provide a slightly undercut shoulder or seat for the aforesaid inextensible edges and also to provide suitable bearing-surfaces C C for the sides of the tire. The contour of the outer surface of the wheel-rim follows approximately the contour of the inner surface, the shape of the rim being such, however, that the thickness of the metal increases toward the base of the rim. The under surface D of the base of the rim is plain or straight in cross-section.

What I claim is—

The design for a metallic wheel-rim of the shape or configuration herein shown and described.

In testimony whereof I have hereunto set my hand, in presence of two subscribing witnesses, this 26th day of May, 1899.

CHARLES KINGSTON WELCH.

Witnesses:

FRED SHARPE,

ARTHUR WM. LIGGINS.