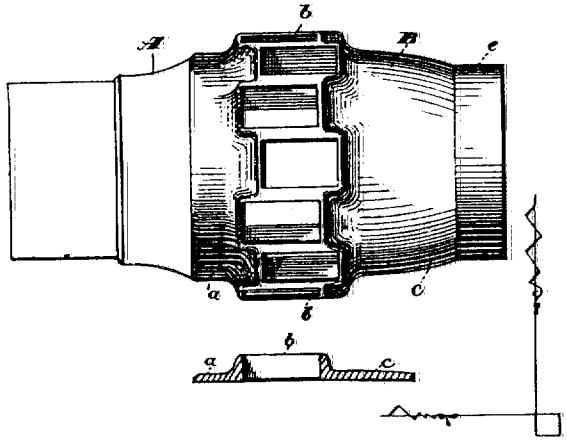
DESIGN.

J. SIMPSON.

HUB BAND.

No. 16,624. Patented Apr. 13, 1886.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN SIMPSON, OF CLEVELAND, OHIO, ASSIGNOR TO THE CLEVELAND MALLEABLE IRON COMPANY, OF SAME PLACE.

DESIGN FOR A HUB-BAND.

SPECIFICATION forming part of Design No. 16,624, dated April 13, 1886.

Application filed February 4, 1886. Serial No. 190,859. Term of patent 14 years.

To all whom it may concern:

Be it known that I, JOHN SIMPSON, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented and produced a new and original Design in Staggered-Mortise Bands for Carriage and Wagon Hubs, of which the following is a specification, reference being had to the accompanying drawing, forming part thereof.

The single figure of the drawing represents a plain elevation of my newly-designed band, shown for convenience as secured on a wooden hub.

My design has reference more especially to the character of band known to the trade as the "staggered-mortise" band; and its features consist in the peculiar configuration of the surface of the raised periphery and the artistically-graduated molding which forms its sides and unites it in gentle curves with the surfaces of the body-extensions; in the contour of the inner and outer body-extensions and of the annular inner extremity, as shown and described, whereby a band is formed which is symmetrical in its proportions, graceful in structure, and artistic in finish.

Referring to the drawing, A represents the projecting end of the wooden hub on which the band is shown as mounted; but it should be understood that the hub forms no part of my design. B is the band, in the outlines of which my design is fully illustrated. The outer extension, *a*, of the body is provided with a smooth even surface, which extends inwardly to the base of the raised periphery *b* and within the recesses formed along its sides, as hereinafter explained. Said raised periphery is relieved from the body-extensions on either side by artistically-graduated molding having curved lines running laterally over its base and fading away in the surface of the body parts, as shown. The face of the said periphery is figured with a series of staggering rectangular mortises, which are separated from one another by narrow plain-faced webbing, and extend laterally to the rounded edges of the wall or molding of the periphery. As the said mortises are so arranged in relation to each other that only those in alternate positions fall within the same lines when drawn circumferentially on the raised periphery, and the walls or molding which determine the elevation of the periphery being uniform in thickness and curvature at all corresponding points, it follows that recesses of substantially angular outer edges, when viewed as shown, are formed at regular intervals in the graduated molding, according as the mortises are extended alternately right and left at equal distances from a common center.

The inner body-extension, *c*, of the band is formed with a swell, giving it the resemblance to a section of a conoid in longitudinal view, the lines by which its surface is defined being slightly convex and converging from the base of the raised periphery toward its opposite end. A band-like extremity, *e*, having a smooth surface, is formed on the outer end of the body-extension *c*.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The design for hub-bands herein shown and described, the same consisting of the face of the raised periphery *b*, perforated by a series of staggering rectangular mortises and having rounded outer edges, the artistically-graduated molding forming the sides of the said periphery and running into the surfaces of the body-extensions in gently-curved lines, the smooth even surface of the body-extension *a*, with the contour of the inner body-extension, *c*, formed by convex converging lines running longitudinally, and the plain surface of the band-like extremity *e*, as set forth.

JOHN SIMPSON.

Witnesses:
CHAS. D. O'CONNOR,
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