

J. HYMAN.
WHEEL-HUB.

No. 170,566.

Patented Nov. 30, 1875.

Fig. 1.

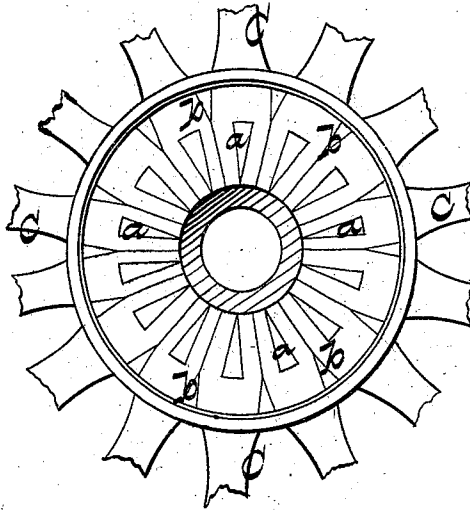
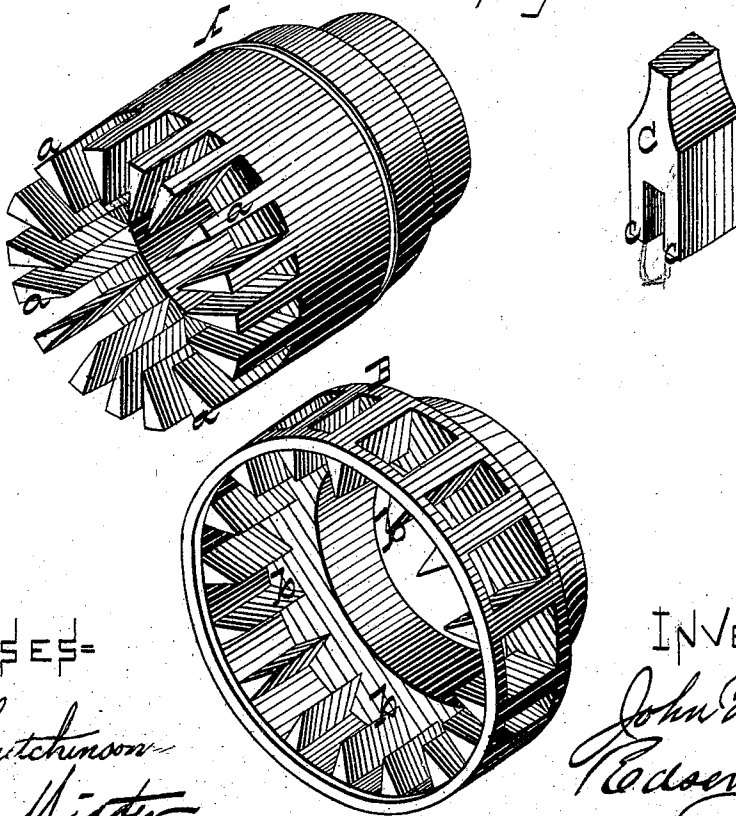


Fig. 2.



WITNESSES-

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UNITED STATES PATENT OFFICE.

JOHN HYMAN, OF BELVIDERE, NEW JERSEY, ASSIGNOR OF TWO-THIRDS
HIS RIGHT TO ALMON WARNER, OF SAME PLACE.

IMPROVEMENT IN WHEEL-HUBS.

Specification forming part of Letters Patent No. **170,566**, dated November 30, 1875; application filed
October 26, 1875.

To all whom it may concern:

Be it known that I, JOHN HYMAN, of Belvidere, in the county of Warren and State of New Jersey, have invented a certain new and useful Improvement in Hubs for Wheels, of which the following is a full, clear, and exact description, reference being had to the annexed drawing, in which—

Figure 1 is an end view of my improved hub, and Fig. 2 is detached perspective views of the component parts of my hub and spoke.

Corresponding parts in the two figures are denoted by like letters.

This invention relates to a certain improvement in hubs for wheels; and it consists of an outer and an inner series of wedge-shaped partitions provided or formed, respectively, upon a ring and the wooden portion or box of the hub, alternating with each other, between the outer ones of which are inserted spokes, straddling the inner ones, which they are caused to embrace, substantially as hereinafter more fully set forth.

To enable others skilled in the art to which my invention appertains to make and use the same, I will describe it.

In the annexed drawing, A refers to the wooden portion or box of the hub, in its general outlines of the usual construction, and having a series of tapering or wedge-shaped partitions, *a a a*, the spaces or sockets *a' a' a'* between which receive the bifurcated ends of the spokes, as will more fully appear hereinafter. B is a metallic ring or band, the contracted portion of which adapts it for attachment to the box A, the enlarged portion being provided with a series of inner wedge-

shaped partitions, *b b b*, alternating with the partitions *a a a*, as shown in Fig. 1, the spaces or sockets between the said partitions *b b b* receiving the spokes, as also shown in the latter-mentioned figure. C C are the spokes, the inner ends of which are bifurcated, or provided with prongs *c c*. The spokes are inserted through the sockets between the partitions *b b b* of the ring B, so as to cause their bifurcated ends to straddle the inner series of wedge-shaped partitions *a a a* of the box A.

It will be observed that, when the spokes are driven home into the box or hub A, the pronged or bifurcated portions *c c* thereof will yield and approach each other, so as to conform to the shape of and completely embrace the wedge-shaped partitions *a a a* of the hub or box A, and thus securely lock the spokes in place.

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

The wooden hub or box A, having the wedge-shaped partitions *a a a*, embraced by the spokes C, in combination with the band B, having the wedge-shaped partitions *b b b*, uniting with the partitions *a a a* in securing the spokes in place, substantially as and for the purpose set forth.

In testimony whereof I have hereunto signed my name in presence of two subscribing witnesses.

JOHN HYMAN.

Witnesses:

JNO. B. BROOKFIELD,
J. H. DRAKE.