

J. B. HUBBELL.

Wagon Hub.

No. 107,497.

Patented Sept. 20, 1870.

Fig. 1.

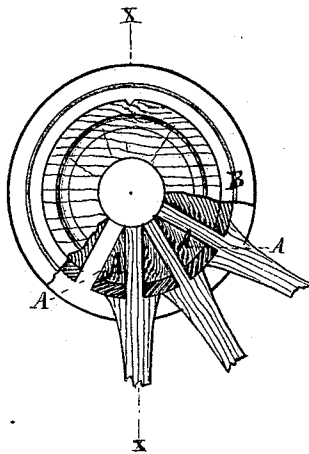
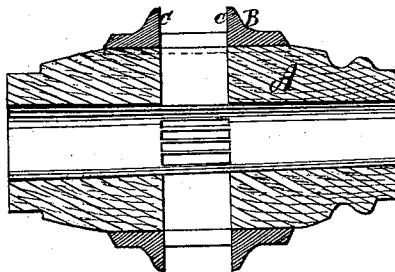


Fig. 2.



Witnesses:

Gustave Dietrich
Moses Brooks

Inventor:

J. B. Hubbell
PER *[Signature]*
Attorneys.

United States Patent Office.

JEROME B. HUBBELL, OF NAUGATUCK, CONNECTICUT.

Letters Patent No. 107,497, dated September 20, 1870.

IMPROVEMENT IN WAGON-HUBS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JEROME B. HUBBELL, of Naugatuck, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Wagon-Hubs; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in hubs for wagon-wheels, whereby they are made stronger and more durable than hubs of ordinary construction; and

It consists in a metallic band on and in combination with a wooden mortised hub, constructed and arranged as hereinafter fully described.

In the accompanying drawing—

Figure 1 represents a central cross-section of a wagon-hub constructed according to my invention.

Figure 2 is a longitudinal section of fig. 1, on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is the wooden hub, which is mortised for the spokes in the ordinary manner.

B is a metallic band, which is driven onto the hub, as seen in fig. 2.

This band is grooved around its center, the groove

corresponding in width with the width of the spokes or tenons thereon.

In the bottom of the groove are apertures, which correspond with the mortises in the hub, in number and position, but these apertures are a trifle larger than the tenons of the spokes or mortises in the hub, so that the tenons of the spokes do not touch the band.

The shoulders or sides of the grooves C C support the edges of the spoke, while the band supports and strengthens the hub.

I am aware that a metallic band, with orifices for receiving and supporting the spoke-tenons, has been used in connection with a grooved wooden core. I disclaim such an arrangement, my invention being a mortised hub, receiving the spoke-tenons in the ordinary way, and supported by a metallic band.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The combination of a mortised wooden hub, with a grooved metal band, having apertures in the bottom thereof corresponding to the several mortises in hub, but slightly larger, to avoid contact of the spokes with said band, all as shown and described.

JEROME B. HUBBELL.

Witnesses:

LEWIS WARD,
L. S. SPENCER.