

W. J. ARRINGTON.
Carriage Wheel Hub.

No. 101,208.

Patented March 29, 1870.

fig. 1.

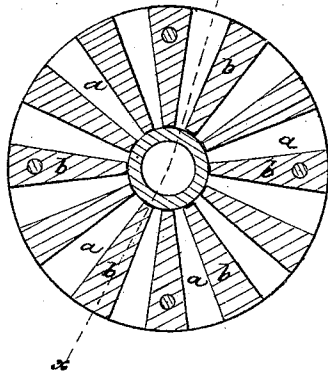


fig. 2.

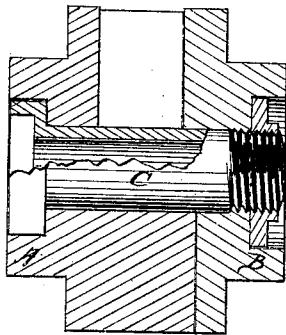
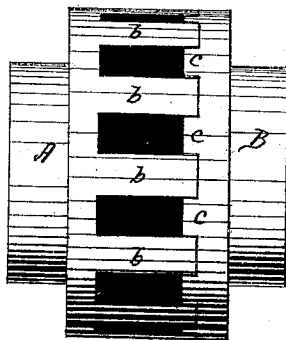


fig. 3.



Witnesses:

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United States Patent Office.

WILLIAM J. ARRINGTON, OF JEFFERSON COUNTY, GEORGIA.

Letters Patent No. 101,208, dated March 29, 1870.

IMPROVEMENT IN CARRIAGE-WHEEL 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, WILLIAM J. ARRINGTON, of Jefferson county, Georgia, have invented a new and valuable Improvement in the Wheel-Hub; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Figure 1 is a transverse section.

Figure 2 is a longitudinal section of the hub and box, with a portion of the latter shown entire.

Figure 3 is a plan of the hub.

Like letters of reference indicate corresponding parts.

Letters *a a*, fig. 2, represent mortises into which the spokes enter.

Letters *b b* represent tenons which dovetail with the shallow mortises of the smaller transverse section.

Letters *c c*, fig. 3, represent short tenons of smaller transverse sections which fit to corresponding parts of larger transverse sections when all the parts are united and the hub complete.

The hub proper may be made of any desired shape or size, and of wood or metal. It is composed of two separate disks, the larger, A, having on its transverse face the tenons and mortises into and between which the spokes enter; the smaller, B, presenting by its opposing and transverse face shorter and shallower corresponding tenons and mortises, into and between

which the tenons and mortises of the larger section are received.

These two sections are held together, first by a number of small bolts passing longitudinally through every third or alternate space intervening between the spokes, and secondly by a detachable box, through which passes the axle. This box is shouldered and countersunk at one end, and has a screw and nut on the other end, thus becoming by its screw and nut the means by which the two sections of the hub may be taken apart, and allow of the removal or insertion of the spokes without the necessity of unrimming the wheel, at the same time becoming the means, by tightening the screw, of closely and firmly holding the two sections and spokes together.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination of the disk A, provided with the tenons *b*, with the disk B, provided with the tenons *c*, when the tenons *c* are included between the tenons *b* in the completed hub, in the manner and for the purpose described.

2. The detachable shouldered box O combined with the disks A B, substantially as described.

W. J. ARRINGTON.

Witnesses:

A. L. PATTERSON,
J. H. LAURENCE.