

J. DUMP.  
CARRIAGE WHEEL HUB.

No. 100,873.

Patented Mar. 15, 1870.

FIG. 1.

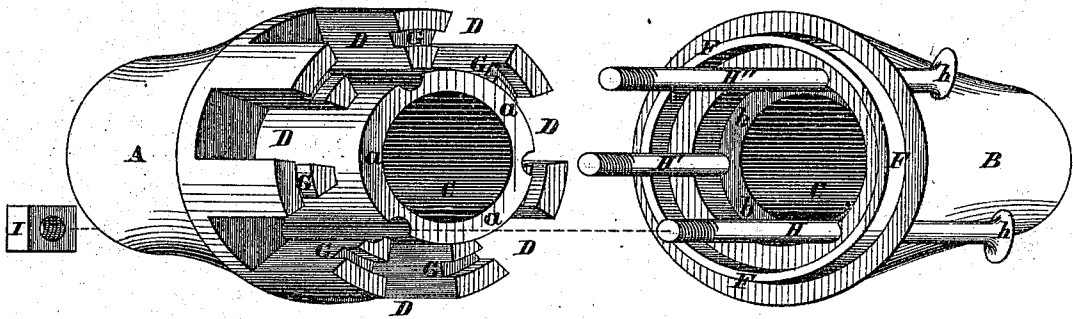
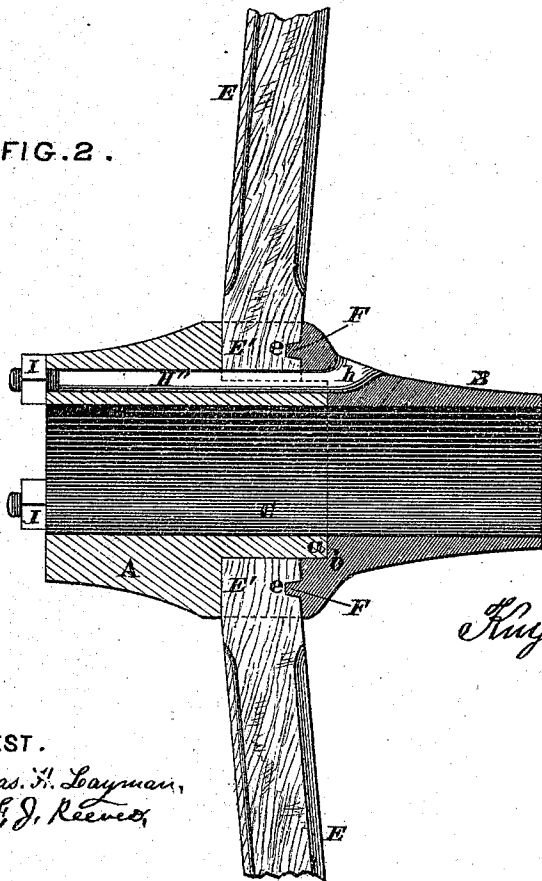


FIG. 2.



*Right Port  
Atty for Dump*

ATTEST.

*Gas. H. Layman,  
F. J. Reeves,*

# United States Patent Office.

JACOB DUMP, OF KINGSTON, OHIO.

Letters Patent No. 100,873, dated March 15, 1870.

## IMPROVEMENT IN CARRIAGE-WHEEL HUBS.

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

I, JACOB DUMP, of Kingston, Ross county, Ohio, have invented a new and useful Metallic Hub for Wagons and Carriages, of which the following is a specification.

### *Nature and Objects of the Invention.*

My invention relates to a hub formed of two pieces of cast-iron and three or more screw-bolts with corresponding nuts, whereby the two castings aforesaid are drawn together so as to firmly grip the spoke tenons, an annular tongue on one casting filling corresponding grooves in the spoke tenons and preventing their dislodgment or removal from the hub.

### *General Description with Reference to the Drawings.*

Figure 1 is a perspective view of the two castings which compose my hub, detached.

Figure 2 is an axial section of the hub.

My hub comprises an inner section or casting, A, and an outer section or casting, B, both having the customary bore or central aperture, C, for the axle spindle.

The portion or casting A has around its periphery a series of equidistant indentations, D, which, when closed by the application of the casting B, constitute the mortices to receive the tenons E' of the spokes E.

The casting B has a counter-bore, b, which fits over the central cylindrical portion a of the casting A.

The portion or casting B has also an annular tongue, F, which, when the hub is put together, enters corre-

sponding grooves, G and e, in the casting A, and in the front edges of the spokes, so as to hold the two castings and also the spokes all firmly in place.

Both castings are traversed longitudinally and at equal distances by screw-bolts H H' H", having bent heads h which come flush with the periphery of the casting B and nuts I, which engage on said bolts in rear of the casting A.

In practice the spoke-tenons are made somewhat wider than the mortices in the casting A, so as to be susceptible of being tightened at any time by simply turning the nuts I.

Two part metallic hubs, thus united by bolts, are cheaper and easier to manufacture and also stronger than those which are united by a cut thread.

### *Claim.*

I claim herein as my invention—

The combination of the inner section A, constructed with indentations D and grooves G, and the outer section B, constructed with a counter-bore b and tongue F, the two members being connected by screw-bolts H h and nuts I, so as to constitute a compound hub, all substantially as represented and described.

In testimony of which invention I hereunto set my hand.

JACOB DUMP.

Witnesses:

GEO. H. KNIGHT,  
T. I. N. LINDSEY.