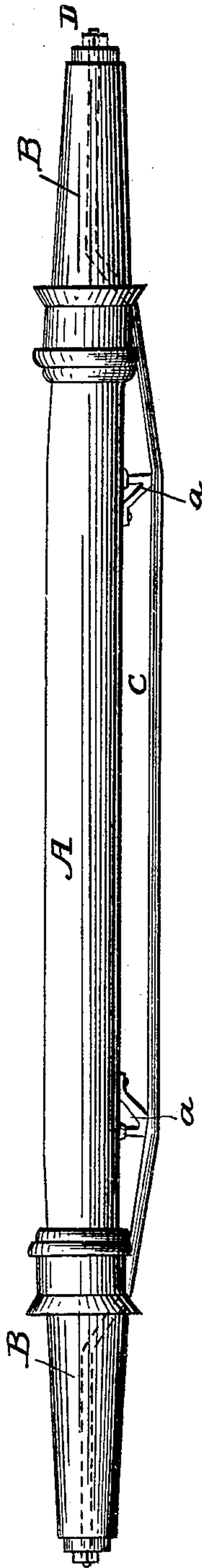


C. E. BUCK.

Axle Tree.

No. 73,575.

Patented Jan'y 21, 1868.



Witnesses:
Thos. Lusche
Gustav Dietrich

Inventor:
C. E. Buck
Per Munniff
Attorney

United States Patent Office.

CHARLES E. BUCK, OF RACINE, WISCONSIN.

Letters Patent No. 73,575, dated January 21, 1868.

IMPROVEMENT IN AXLE-TREE.

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, CHARLES E. BUCK, of Racine, in the county of Racine, and State of Wisconsin, have invented a new and useful Improvement in Axle-Trees; 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 a part of this specification.

This invention relates to a new and useful improvement in wooden axle-trees for wagons; and it consists in the application of a rod to the axle-tree, as hereinafter fully shown and described, whereby the axle is greatly increased in strength.

The accompanying drawing represents a side view of my invention.

A represents the axle, and B B the arms thereof, all constructed of wood, and the arms covered with metal "skeins," as is usual with wooden axles. C represents a metal rod, which is underneath the axle A, and has its ends passing centrally through the arms B B, the rod passing up through the inner ends of the arms, and having screw-nuts D on its outer ends, which nuts abut against the ends of the arms B B. The rod C bears against pendants *a*, attached to the under side of the axle, and it will be seen that by screwing up the nuts D, the rod C may be strained perfectly taut, so as to add great strength to the axle. The rod C may also pass through the skeins on the arms, in order to retain or hold the former firmly on the latter.

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

The rod C applied to the straight axle A, its ends passing through the under sides of the thimble-skeins B, securing them in place, and its centre held in position by means of the brackets *a*, the rod C being tightened by means of the nuts D, as herein shown and described.

The above specification of my invention signed by me, this third day of October, 1867.

CHARLES E. BUCK,

Witnesses:

FRANK SCHNEIDER,

D. McDONALD.