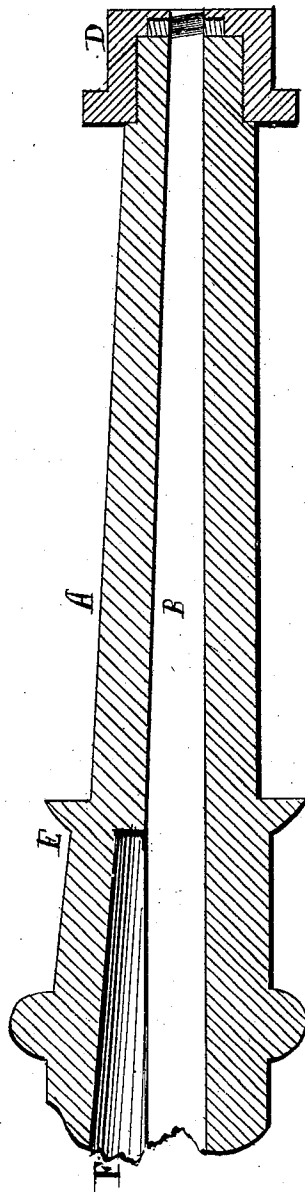


E. ROOKS.
Axle Skein.

No. 96,620.

Patented Nov. 9, 1869.



Witnessed.
J. I. Oulton.
C. O. Browne

Emory Rooks, Inventor by
Geo. E. Browne, Atty.

United States Patent Office.

EMRY ROOKS, OF TRENTON, TENNESSEE.

Letters Patent No. 96,620, dated November 9, 1869.

IMPROVED AXLE-SKEIN.

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, EMRY ROOKS, of Trenton, in the State of Tennessee, have invented a new and useful Improvement in Spindles for Carriage or Wagon-Axles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a longitudinal central section.

This invention consists in a cast-iron spindle, with a cylindrical outer surface, suitable for carriage or wagon-wheels to run on, said spindle having an internal chamber, fitted for the reception of the ends of iron axles, and being provided with a collar at its larger end, adapted to fit over the ends of wooden bed-trees, such as carriages or wagons usually rest upon, and securely unite the axle and bed-tree.

To enable those skilled in the art to make and use my invention, I now proceed to describe its construction and operation.

Similar letters, in the drawings, refer to like parts.

In the drawings—

A is a cast-iron spindle or skein, on which the wheel runs.

The spindle has a longitudinal chamber, B, made centrally through it, which chamber is rectangular from the back end, and tapering to the other extremity of the spindle, with a light shoulder at any convenient distance from point.

Within this chamber is introduced the iron axle,

correspondent in shape, so that the spindle cannot turn upon it with the wheel.

The axle and spindle are held together by means of a nut, H, on the end of the former, and the wheel is kept upon the spindle by means of a tap, D, upon the end of the latter.

A collar, E, is cast solid with the spindle, and upon its rear end, with an inclined upper side and a straight lower side, which is in contact with the axle.

Into the space between the axle and the upper side of the collar, fits closely the end of the wooden bed-tree F.

Thus, the "clip" or band is dispensed with, and the axle is firmly connected with the bed-tree, and at the same time is furnished with a durable envelope, to protect it from the friction of the wheel.

The "set" is given in the axle.

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

The skein A, provided with an orifice having a straight lower side, for the support of a cast-iron axle, and combined with the collar E, likewise having a straight lower side, in continuation with that of the orifice of the skein A, and also having its upper side inclined upward and outward, to fit it for the reception of the tapering end of the wooden bed-piece, in the manner set forth.

EMRY ROOKS.

Witnesses:

J. P. MCGEE,
G. W. ROOKS.