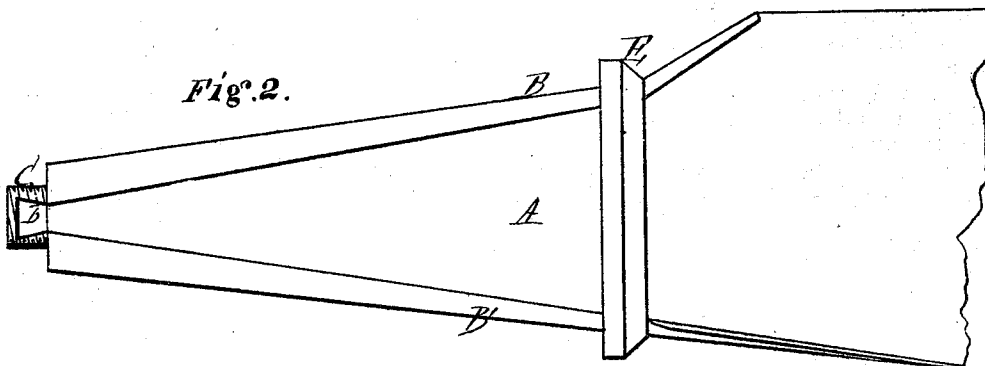
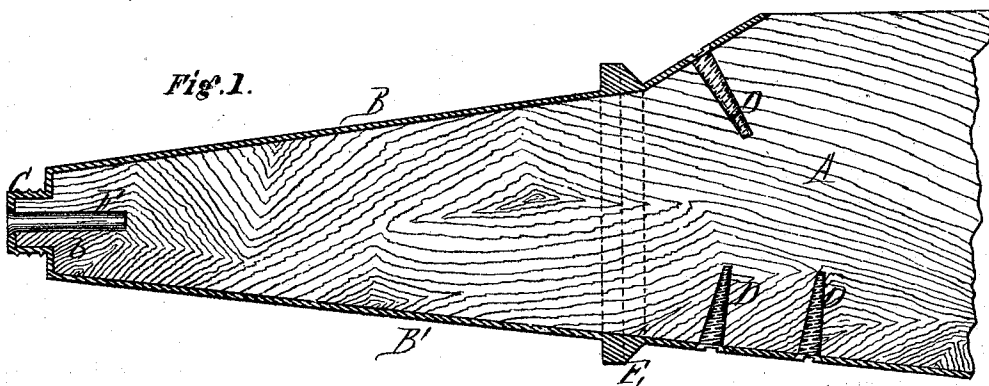


L. MAYHEW.

Improvement in Axle Skeins.

No. 120,303.

Patented Oct. 24, 1871.



Witnesses.

E. A. Bates

Villette Anderson.

Inventor:

L. Mayhew,
Chipman & Co.,
attys.

UNITED STATES PATENT OFFICE.

LORENZO MAYHEW, OF ROCK CITY FALLS, NEW YORK.

IMPROVEMENT IN AXLE-SKEINS.

Specification forming part of Letters Patent No. 120,303, dated October 24, 1871.

To all whom it may concern:

Be it known that I, LORENZO MAYHEW, of Rock City Falls, in the county of Saratoga and State of New York, have invented a new and valuable Improvement in Axle-Skeins; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 is a representation of a vertical longitudinal section of my invention. Fig. 2 is a side elevation of the same.

This invention has relation to the construction of axle-skeins, whereby the purposes of economy, simplicity, and durability may be subserved; and it consists in forming the skein of a single piece or plate, which is arranged to be doubled over the end of the spindle, one arm of the plate being disengaged to protect the upper half of the spindle, while its fellow is secured to the under side of the same.

In the drawing, A represents the wooden core of the spindle of the axle. The skein-plate is shown covering the upper side of the core with the concave arm B, and the lower side of the same with a similar arm, B'. These arms are let

into the wood, which is designed to be raised at the sides between the arms flush with the surface of the metal. C designates the middle portion of the skein-plate, which is doubled over the end of the core A to form the end of the skein. It is provided with shoulders to fit the shoulders of the wood and the exterior surfaces of the cylindrical portions, and threaded to receive the fastening-nut. The arms B B' are secured at the ends to the axle by screws or rivets D, and are inclosed by a ring, E, which forms the shoulder against which the nut of the wheel works in its rotation. A screw or pin, F, may be inserted in the end of the axle to secure the cap more firmly if desirable.

I claim as my invention—

The axle-skein, swaged up from a single plate, doubled over the shouldered end of the spindle at C and provided with the concave arms B B, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LORENZO MAYHEW.

Witnesses:

J. S. B. SCOTT,
P. F. ALLEN.

(31)