

(No Model.)

G. BRENNAN.
AXLE LUBRICATOR.

No. 260,277.

Patented June 27, 1882.

Fig. 1.

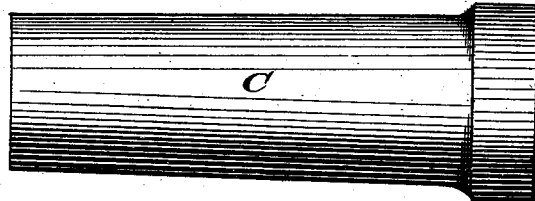


Fig. 2.

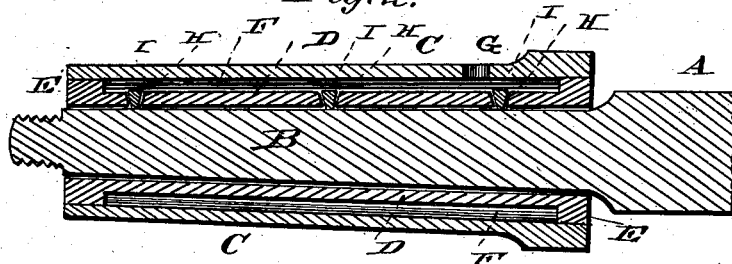


Fig. 3.

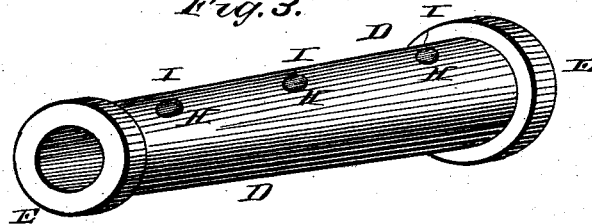
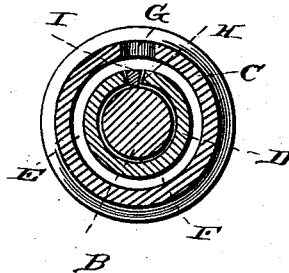


Fig. 4.



WITNESSES:

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GEORGE BRENNAN, OF FRANKLIN, PENNSYLVANIA.

AXLE-LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 260,277, dated June 27, 1882.

Application filed May 19, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BRENNAN, of Franklin, in the county of Venango and State of Pennsylvania, have invented certain new and useful Improvements in Self-Lubricating Axle-Boxes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a side view. Fig. 2 is a longitudinal sectional view. Fig. 3 is a view of the inner axle-box detached, and Fig. 4 is a transverse sectional view.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to an improved self-lubricating axle-box for vehicles, the construction and operation of which will be hereinafter fully described, and particularly pointed out in the claims.

Referring to the drawings hereto annexed, A represents the end of an axle, and B the spindle upon which my improved axle-box is fitted. The latter consists of two parts or sections, the outer one of which, C, is provided with feathers, or otherwise constructed to be secured in the hub. The inner part, D, is provided at both ends with collars or flanges E, fitting in the ends of box C, where the box D may be secured by simply driving it into place. It will be seen that between the flanges E a chamber or space, F, is thus left open between the boxes C D, which is for the reception of oil. The outer box, C, has an opening, G,

communicating by a channel through the hub with a suitably-located oil-cup, through which the space or chamber F may be conveniently filled. The inner box, D, has a series of openings, H, in which are fitted tapering plugs I, the ends of which project slightly into the said box D.

When the hub, equipped with my improved axle-box, is placed upon the spindle, the plugs I are forced back into the chamber F, permitting oil to escape in sufficient quantities around said plugs.

When it becomes necessary to clean the box the inner box may be readily driven out, when the plugs I can be removed and cleaned.

This invention is simple, inexpensive, and causes the oil to be fed as fast as wanted to the place where it is required.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. An axle-box provided with the space or chamber F, having openings H and tapering plugs I, as set forth.

2. The combination and arrangement, as described, of the outer box, C, having openings G, the inner box, D, having flanges E, openings H, and the tapering plugs I, arranged in said openings and projecting slightly into the inner box, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE BRENNAN.

Witnesses:

JAMES MELHON,
F. C. POWER.