

J. S. EGGLESTON.
Car-Axle Lubricator.

No. 161,017.

Patented March 23, 1875.

Fig. 1.

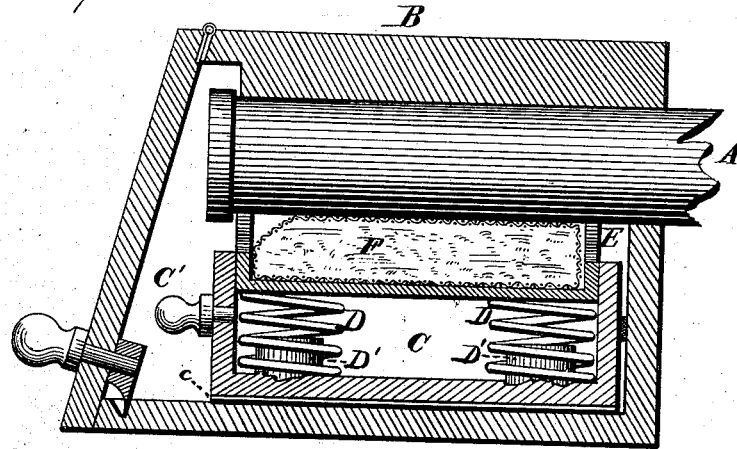


Fig. 2.

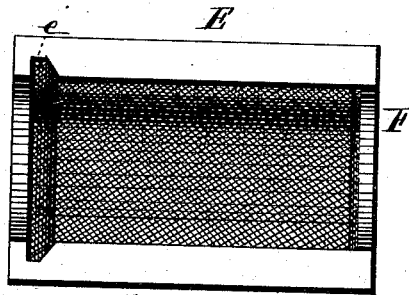
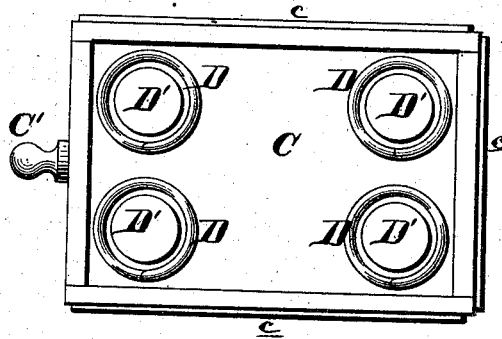


Fig. 3.



WITNESSES
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IMPROVEMENT IN CAR-AXLE LUBRICATORS.

Specification forming part of Letters Patent No. **161,017**, dated March 23, 1875; application filed January 20, 1875.

To all whom it may concern:

Be it known that I, JESSE SCOTT EGGLESTON, of Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Car-Axle Lubricators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to certain new and useful improvements in car-axle lubricators.

In the drawings, Figure 1 is a longitudinal vertical section of a car-axle box and car-axle with my lubricating device in position therein; Fig. 2, detached plan views of my lubricating devices or the boxes.

My invention consists in certain combinations and arrangements of devices and appliances, as hereinafter set forth and claimed, wherein—

A represents the car-axle, and B the box. Within the box B is placed and slides a drawer, C, provided with a handle or knob, C'. Around the edges and on the bottom of the box C are secured rubber pieces or strips *e*, which impinge tight against the axle-box B, thus holding the box C in place, and also preventing rattling, jar, &c., of the parts. Within the box C are placed several coil-springs, D, retained in position by knobs or pins D', secured to the bottom of the box. E is another box or drawer, made of a size so as to fit within the lower box B, and rest upon the springs D. Within the box E is placed the absorbent material F, for holding the lubricant. This consists of a fibrous substance inclosed in a fine cloth or hair netting, made of a suitable size to fit and be retained within the box E.

Oil is furnished to the absorbent or lubricating-pad F through the apertures or channels *e* in the box E.

The operation of this device is as follows: The drawer or box C is withdrawn by the handle C' from the axle-box B, bringing its contained box E with it. Lubricating mate-

rial is then supplied to the material F in the small drawer E through the apertures *e*. The drawers are then run back into the axle-box, the car-axle A lying in the top box on the fabric F.

The springs D always keep the lubricating-pad forced up tight to its place against the axle, and the two boxes or drawers are kept tight in place in the axle-box, and all jar or rattling of the parts is prevented by the rubber strips *e*.

The advantages of this device are cleanliness, simplicity of construction, positiveness of action, less liability of becoming out of order, and durability.

By the employment of a lubricating material inclosed within network or gauze, cage, or bag, as herein shown and described, the oil is supplied to the axle in a clean state, and free from grit, dirt, &c., the fine gauze acting as a strainer. At the same time that the gauze acts as a strainer, it also preserves the lubricating material, and prevents the particles or fibers of the material being torn off and clinging to the axle.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the axle-box B, sliding removable drawer C, removable box E, and a lubricating-pad, the drawer C having on its sides elastic retaining-strips *e*, and in its interior coil-springs D, which support the smaller removable box E, containing a lubricating-pad, all substantially as and for the purpose set forth.
2. The removable drawer C, provided on its sides and bottom with retaining rubber strips *e*, in combination with coil-springs D, substantially as and for the purposes described.
3. In combination with the removable drawer C, having retaining elastic strips *e*, coil-springs D, removable box E, and a lubricating-pad, box E being provided with the groove or oil-channel *e*, and fitted within the large box C, all substantially as and for the purpose set forth.
4. In combination with the removable slid-

ing drawer C, provided with retaining-strips *c* and springs D, and small drawer E, having channel *e*, the lubricating-pad F, consisting of fibrous material inclosed in a fine netting, and contained in box F, substantially as and for the purposes set forth.

In testimony that I claim the foregoing I

have hereunto set my hand this 18th day of January, 1875.

JESSE SCOTT EGGLESTON.

Witnesses:

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