

C. D. FLYNT.
Car-Axle Lubricators.

No. 156,990.

Patented Nov. 17, 1874.

Fig: 1.

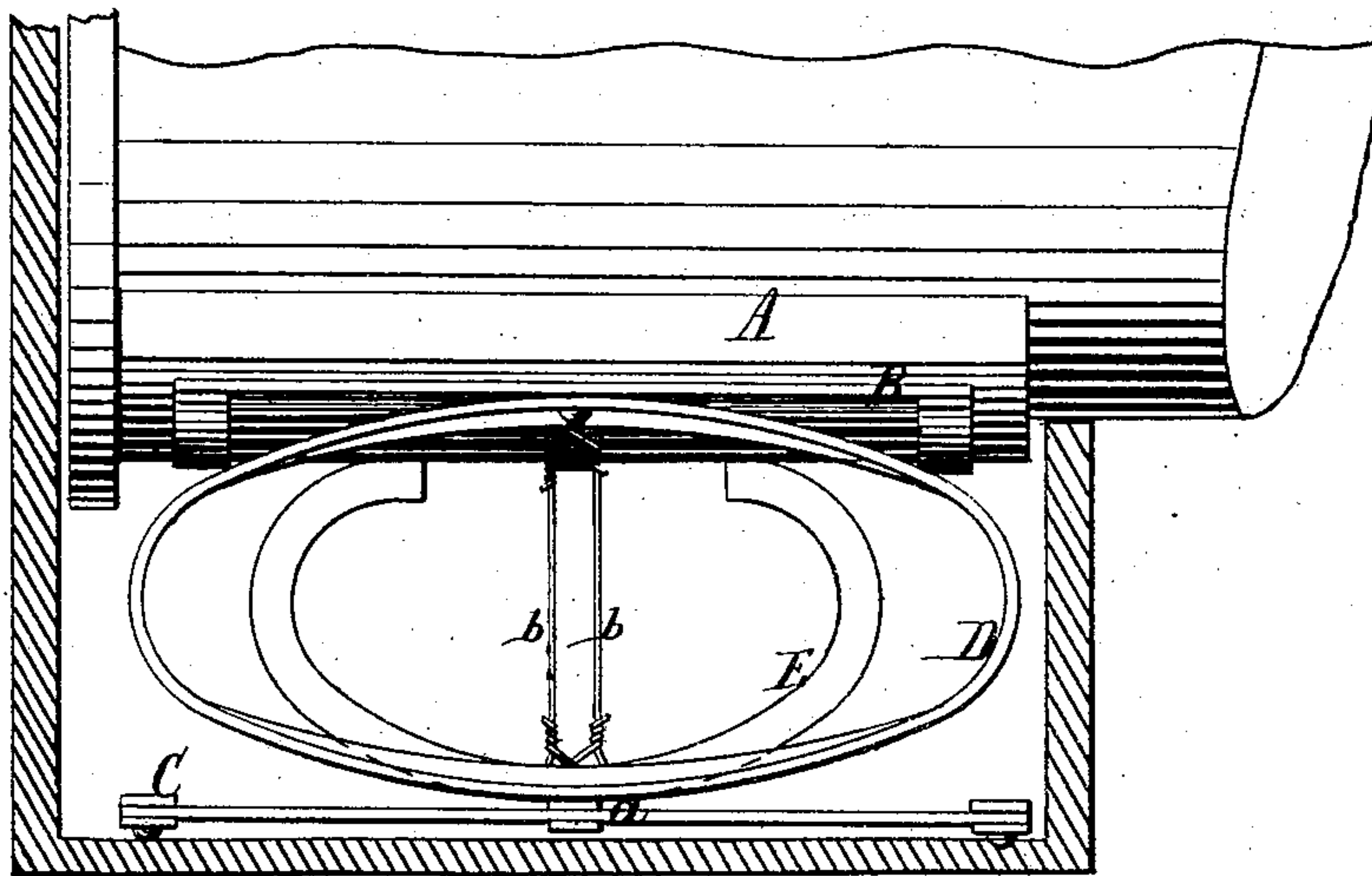
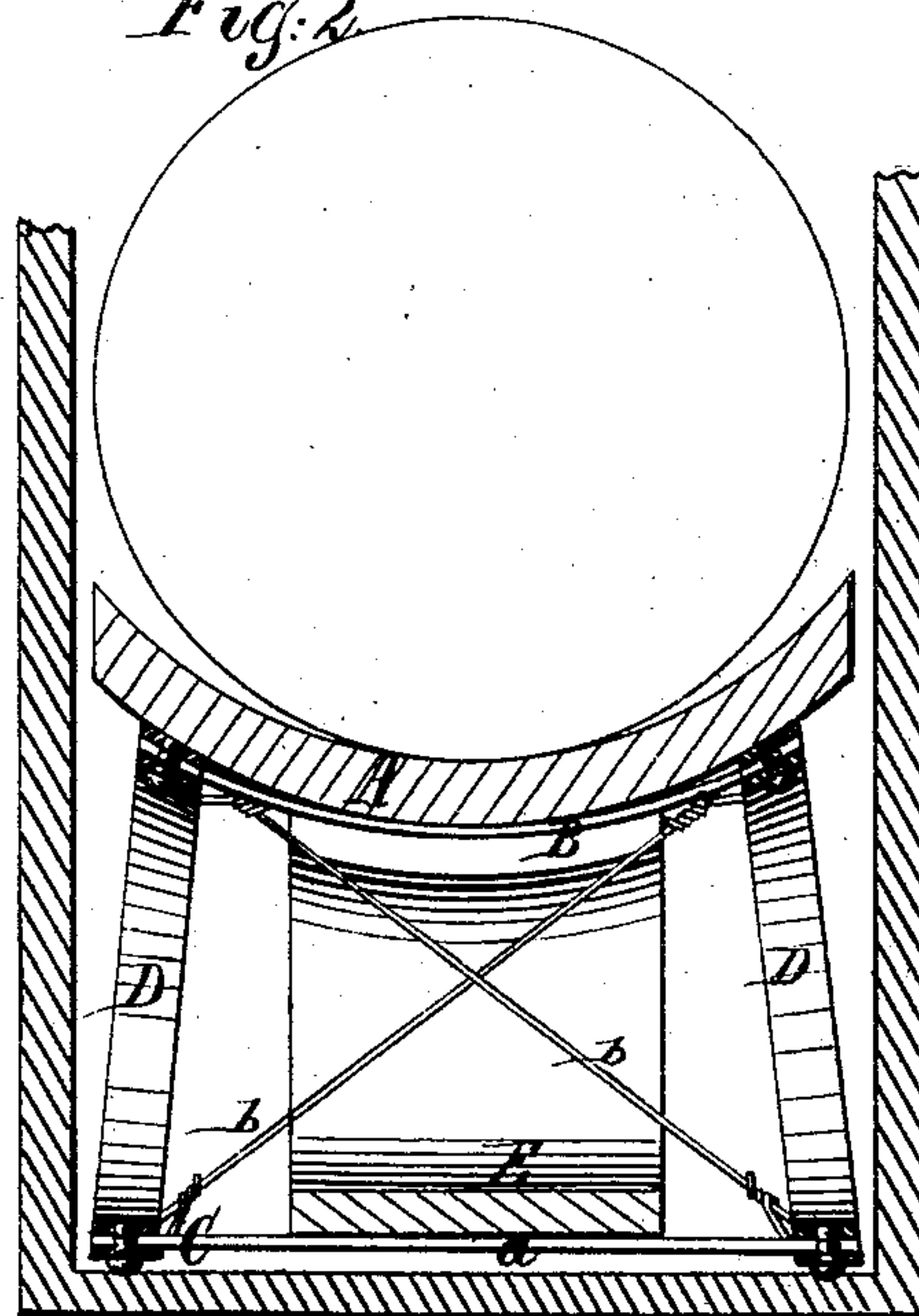


Fig: 2.



Witnesses:

Henry Gentner
Chas. Stahler.

Inventor:

Chester D. Flynt

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Attn

UNITED STATES PATENT OFFICE.

CHESTER D. FLYNT, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN CAR-AXLE LUBRICATORS.

Specification forming part of Letters Patent No. **156,990**, dated November 17, 1874; application filed October 7, 1874.

To all whom it may concern:

Be it known that I, CHESTER D. FLYNT, of the city of Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Axle-Lubricators, of which the following is a specification:

This invention is illustrated in the accompanying drawing, in which—

Figure 1 represents a longitudinal section. Fig. 2 is a transverse section.

Similar letters indicate corresponding parts.

This invention consists in an absorbent pad of felt or other suitable material, supported by a top frame of thin strips of sheet metal, which connect, by elliptic springs, with a bottom frame of similar strips of sheet metal, in combination with cross-wires, and with an elliptic strip of felt or other absorbent material, which is fastened to the top and bottom frames between the elliptic springs, in such a manner that the absorbent pad is free to rock in either direction, and capable of adapting itself to the motion of the axle to be lubricated, and by the rocking motion of the absorbent pad the absorbent strip is caused to agitate the lubricating material, and thereby a constant supply of such lubricating material to the journal is insured as long as the supply in the axle-box is kept up.

In the drawing, the letter A designates a pad made of felt or other absorbent material, which is secured to a concave frame, B, made of strips of sheet metal, which are united to each other and to the absorbent pad by rivets or other suitable means. Said frame B is connected to a bottom frame, C, by means of elliptic springs D—one on each side; and the bottom frame is made of strips of sheet metal, which are united to each other and to said springs by rivets or other suitable means. The bottom frame is made of such a shape

that it fits the bottom of the axle-box, and it is provided with a central traverse, *a*, which serves to support a strip, E, of felt or other absorbent material. This strip is bent similar to the springs D, and its upper ends are sewed or otherwise attached to the pad A. From the ends of the traverse *a* extend cross-wires *b b* to the top frame B.

By these means a lubricator is obtained which can be readily introduced into an axle-box, and by means of the top frame the pad is kept in shape, while the elliptic springs allow the same to rock freely in either direction, so that it can adapt itself to the motions of the axle, or of the journal, to be lubricated. The cross-wires prevent the pad from being forced out of position, and by the rocking motion the absorbent strip E is caused to agitate the lubricating material contained in the bottom part of the axle-box, so that a constant supply of such lubricating material is carried up to the journal as long as the supply in the axle-box is kept up, and the supply to the journal regulates itself according to the greater or less motions of the axle.

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

A lubricator composed of an absorbent pad, A, supported by an open frame, B, made of flexible strips of sheet metal, which connect, by elliptic side springs D, with a bottom frame, C, made of flexible strips of sheet metal, and an absorbent strip, E, which connects with the absorbent pad A, all combined to operate substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of September, 1874.

C. D. FLYNT.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.