

R. VOSE & JAMES M. EVANS.

Improvement in Car-Axle Lubricator.

No. 127,391.

Patented May 28, 1872.

Fig. 1.

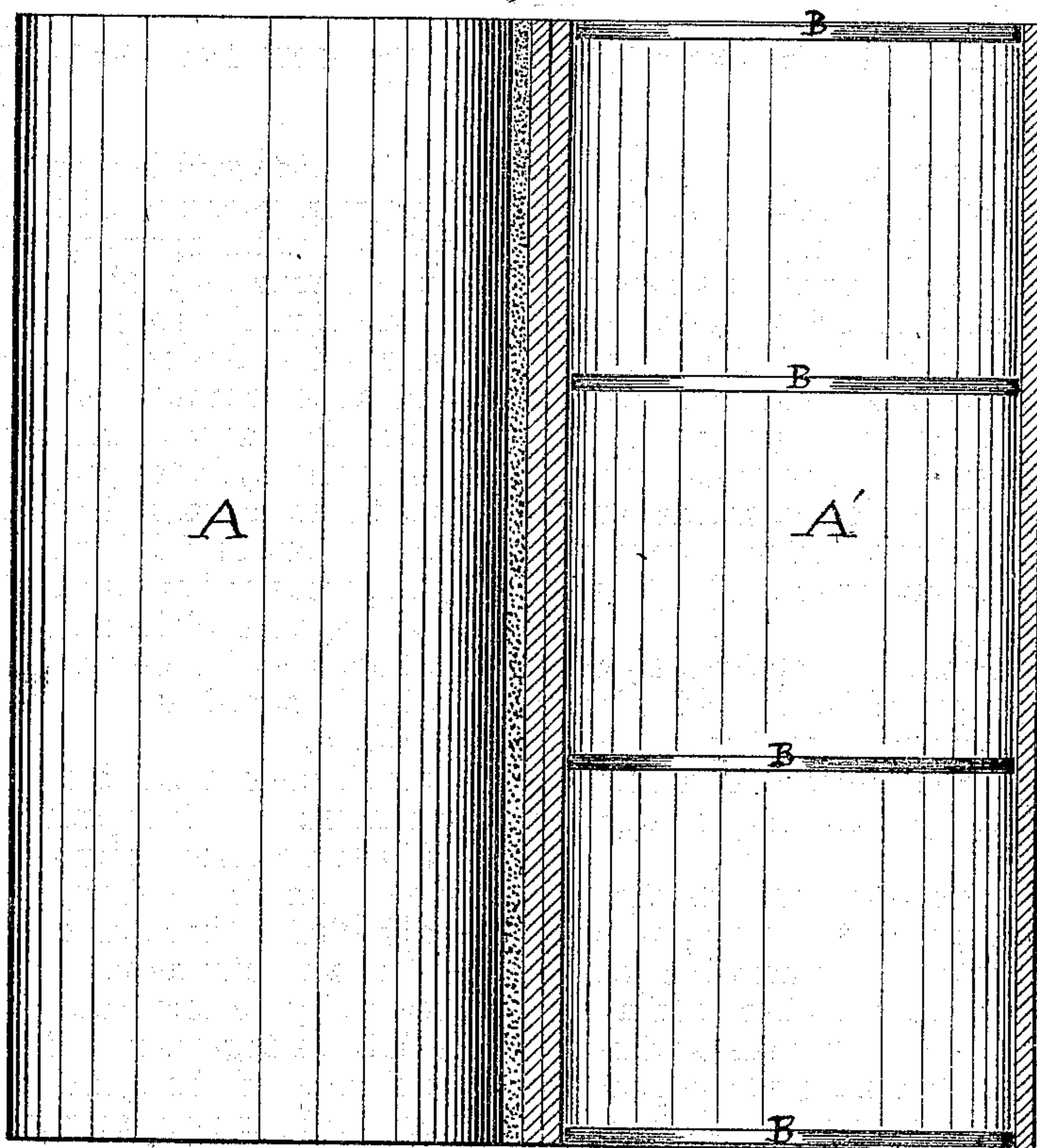
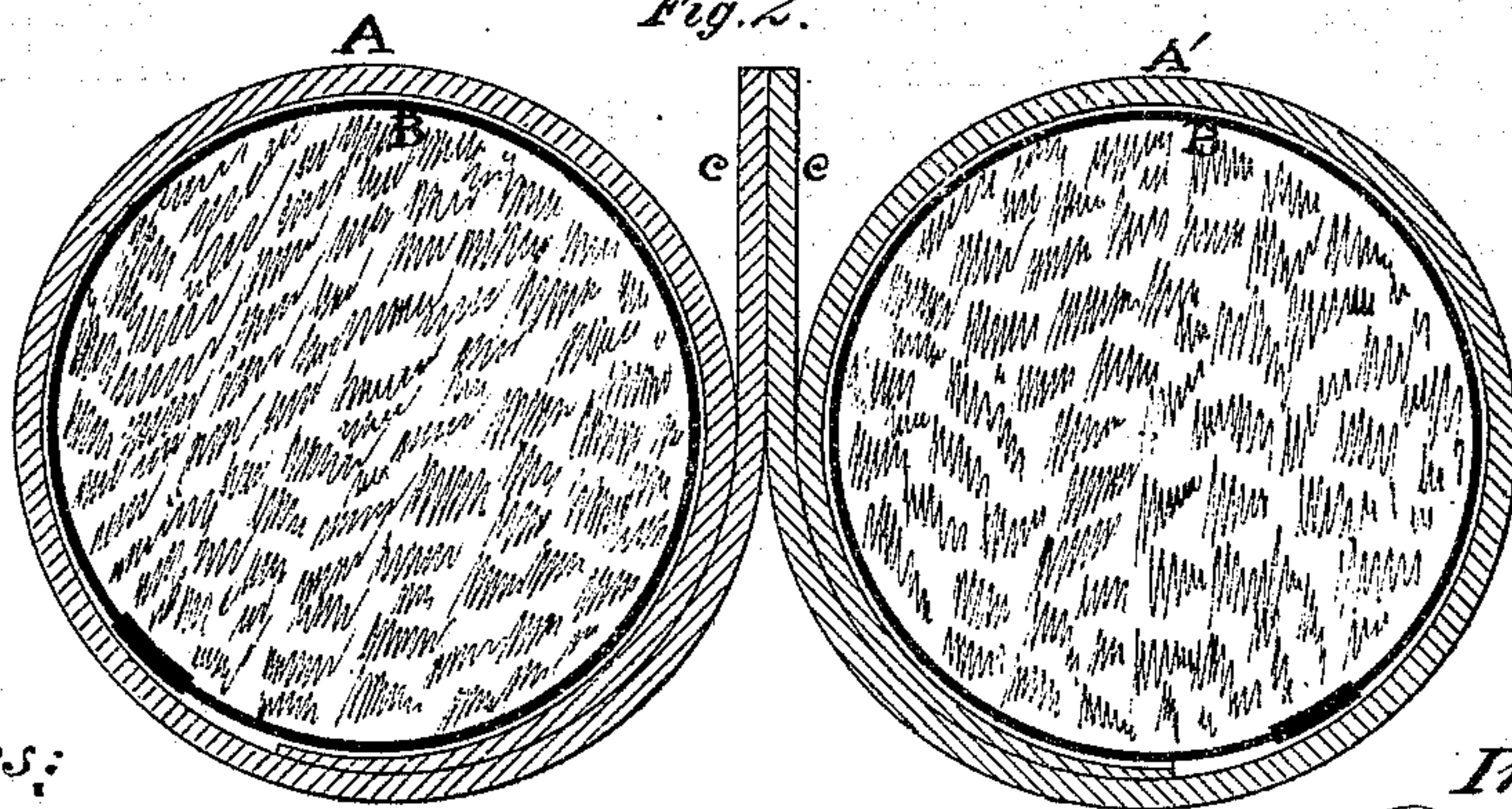


Fig. 2.



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UNITED STATES PATENT OFFICE.

RICHARD VOSE AND JAMES M. EVANS, OF NEW YORK, N. Y.

IMPROVEMENT IN CAR-AXLE LUBRICATORS.

Specification forming part of Letters Patent No. 127,391, dated May 28, 1872.

To all whom it may concern:

Be it known that we, RICHARD VOSE and JAMES M. EVANS, of the city, county, and State of New York, have invented a new and useful Improvement in Lubricating-Cushions for Railway Car-Axles, of which the following is a specification, reference being had to the accompanying drawing forming part thereof.

Figure 1 represents an external surface view of one of the cylindrical cushions, and a longitudinal sectional view of the other, the two constituting our invention. Fig. 2 is an end view of the same.

Our invention relates to a lubricating-cushion for railway car-journals, formed of two hollow cylinders composed of felt, cloth, or other equivalent porous substance, supported interiorly by metal springs, either rings or spirals.

A A represent two hollow cylinders or tubes, composed of thick felt, cloth, or other suitable porous material, of suitable length and diameter to fit into the oil-box of a railway car-journal. Within these felt-cylinders or tubes are fitted and secured in position several elastic metallic rings, B B B B, as seen in A, Fig. 1, whereby the cylinders are made to retain their shape, and their upper surfaces are constantly pressed against the car-journal when in position in the oil-box, while at the same time the cylinders are rendered freely elastic and compressible, both longitudinally and diametrically, for convenience of inserting them into and removing

them from the said box at pleasure. In place of the rings represented in the drawing slender spiral metal springs, made to fit into the cylinders, may be used, which I regard as the equivalent of the rings. If a more abundant lubrication is desired than will be furnished by the upper surfaces of the two cylindrical cushions themselves, the ends C C of the felt forming the cylinder may be left to extend upward into contact with the journal, and the cylinders may be filled with waste wool or any elastic porous or fibrous substance to facilitate the conveyance of the oil to the journal. The cylinders may be secured together, or they may be detached and placed side by side in the oil-box.

It is obvious that lubricating-cushions thus constructed are inexpensive, may be very readily and conveniently inserted into and removed from the oil-box, and must be thoroughly efficient in lubricating the journal.

What we claim as our invention, and desire to secure by Letters Patent, is—

A lubricating-cushion for railway car-journals, formed of the cylinders A A, composed of felt, cloth, or any other suitable porous substance, combined with metal springs placed within the cylinders, as and for the purpose specified.

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