

J. F. MacINDOE.
LUBRICATOR.
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990,892.

Patented May 2, 1911.

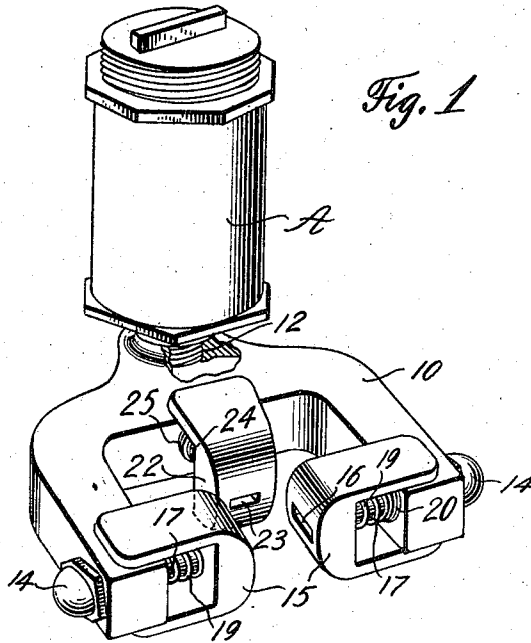


Fig. 1

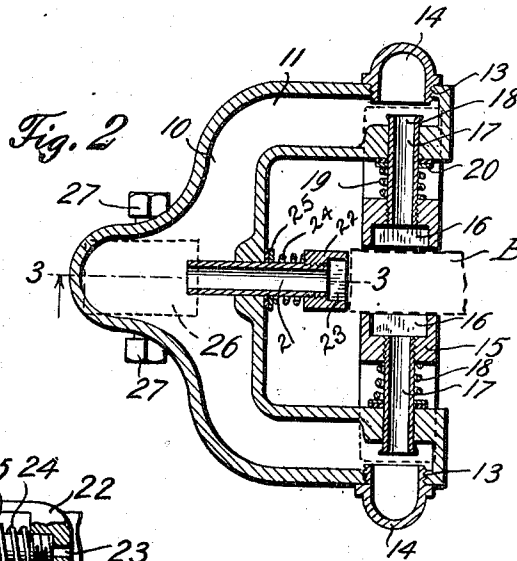


Fig. 2

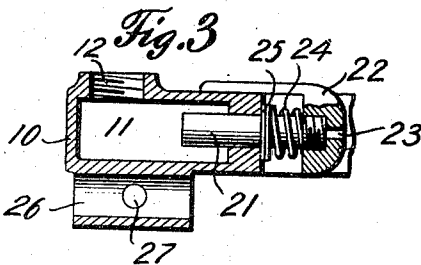


Fig. 3

Witnesses

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN FRANKLIN MACINDOE, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Lubricators, of which the following is a specification.

This invention has reference to lubricators for the guide rails of elevators, dumb waiters, and the like, and is an improvement upon Patent No. 905,724, issued to me December 1, 1908.

The present invention is designed to provide a means whereby the resilient distributors are protected from dust and grit; to create access to the interior of said distributors, and to provide a means whereby the flexible supply pipes of my former patent are eliminated.

With the above and other objects in view, this invention consists of the construction, combination and arrangement of parts all as hereinafter more fully described, claimed and illustrated in the accompanying drawings, wherein:

Figure 1 is a perspective view of a lubricator constructed in accordance with the present invention; Fig. 2 is a horizontal section taken through the yoke spanning the guide rail; Fig. 3 is a section taken along line 3—3 of Fig. 2.

Reference being had to the accompanying drawings, 10 indicates a frame or yoke constructed similarly to my former frame, but being provided with the conduit or duct 11 therein extending completely therethrough, the ends of said yoke being closed. In the base portion of the yoke is provided an opening 12 in which is seated the grease cup A, said grease cup being adapted to feed grease to the conduit 11 in the yoke by compression. At the terminals of the arms of the yoke 10 and on the outer sides thereof are the openings 13, in which are threaded the caps 14 and through which access may be had to the interior of the yoke.

The distributors are adapted through tubes to operate on the interior of said yoke opposite to the openings 13. Each of these distributors comprises a U-shaped member 15 adapted to span the terminals of the arms 11, each of said distributors being provided with a rectangular opening 16 in the inner bearing portion thereof. A tube 17 connects said rectangular opening with the duct 11,

said tube passing through the opening in the inner side of the arm of the yoke 10 and opposite to the opening 13, said tube being threaded in the distributor 15. In order to prevent the displacement of the distributors, the inner terminal of the nipple 17 is offset or flared as at 18 and is adapted to bear against the side of the passage 11 when said distributor is extended to the limit. A spring 19 surrounds the nipple and bears between a washer 20 which is located adjacent to the arm of the yoke 10 and the base portion of the distributor 15, and tends to normally bring said distributor into engagement with the track or rail B, thus permitting the distributor to be maintained in position against the guide rail, irrespective of the lateral motion of the car, as well as permitting an adjustment of the lubricator to various sizes of rails.

A central distributor is located in the base of the yoke 10 and operates on the edge of the track B. This distributor is carried by a tube 21 reciprocating in an opening in the inner side of the yoke, and is threaded at its outer terminal, said threads securing the nipple to a substantially L-shaped distributor 22. The upper portion of said L-shaped distributor is adapted to operate on the upper surface of the yoke 10.

The tube 21 connects with the opening 23 in said distributor 22 and thus conducts grease from the duct 11 to the edge of the track B. A spring 24 surrounds the tube 21 and operates between the washer 25 and said distributor 22, and is adapted to project said distributor against the track. A sleeve 26 is formed under the base portion of the yoke 10 in which operates a pair of set screws 27, this structure permitting the attachment of the entire lubricator to an elevator.

Having thus described my invention what is claimed as new is:

1. In a device of the class described, the combination with a yoke having a passage therein, of distributors adapted to project from said yoke comprising tubes reciprocatingly carried by said yoke, and means carried by said tubes whereby the same are protected and a distributing surface supplied, said tubes being flared at their inner extremities to prevent displacement.

2. In a device of the character set forth, the combination of a yoke having a passage therein, of distributors cooperating with said

passage each comprising a tube projecting from said passage, a U-shaped member carried by said tube, the arms of which engage the arms of the yoke thereby protecting the tube, and means whereby said distributors may be projected from said yoke.

3. In a device of the class described, the combination with a yoke having a passage therein, of distributors comprising U-shaped members engaging the arms of said yoke, a tube secured to each of said distributors co-operating with the passage of said yoke,

means whereby said U-shaped members may be projected from the arms of said yoke, and means whereby access may be had to the interior of said tubes and the passage of the yoke.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN FRANKLIN MACINDOE.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
