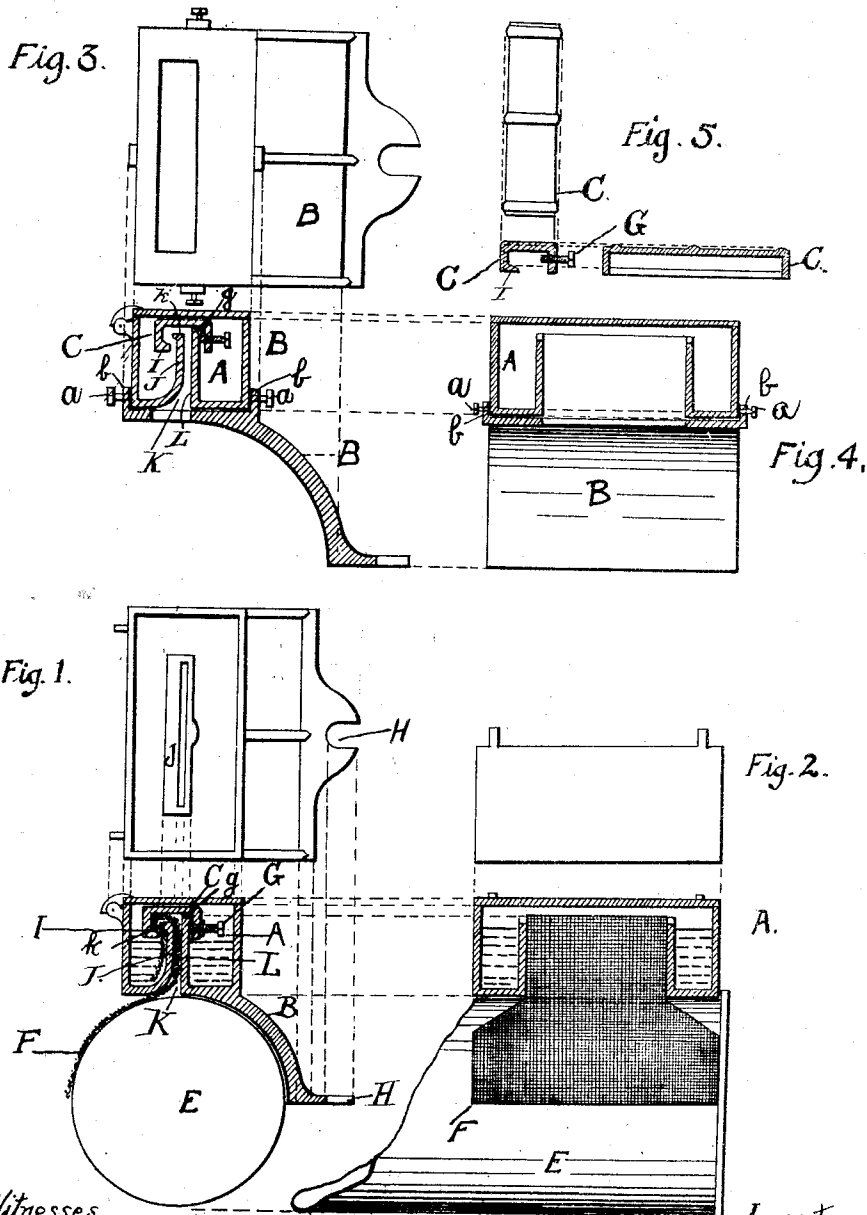


F. R. PAINE.
LUBRICATING DEVICE.
APPLICATION FILED DEC. 31, 1908.

939,301.

Patented Nov. 9, 1909.



Witnesses.

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FINDLEY ROBERT PAINE, OF ALBANY, NEW YORK, ASSIGNOR TO STANDARD OIL COMPANY OF NEW YORK, A CORPORATION OF NEW YORK.

LUBRICATING DEVICE.

939,301.

Specification of Letters Patent.

Patented Nov. 9, 1909.

Application filed December 31, 1908. Serial No. 470,220.

To all whom it may concern:

Be it known that I, FINDLEY ROBERT PAINE, a citizen of the United States, residing at the city of Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Lubricating Devices, of which the following is a specification.

My invention relates to lubricating devices, and the object of my invention is to provide an automatic, adjustable lubricator, and means for keeping the surface lubricated free from foreign, deleterious substances. I attain this object by means of the mechanism illustrated in the accompanying drawings, in which:

Figure 1 is a vertical section of my invention shown in connection with a journal. Fig. 2 is a longitudinal section, with parts broken away. Fig. 3 is a vertical section of modified form of my invention. Fig. 4 is a longitudinal section of the modified form shown in Fig. 3. Fig. 5 is a detail view of the regulating clamp C.

Similar letters refer to similar parts throughout the several views.

The box, A, is mounted above the part to be lubricated and may be formed integral with the housing, B, as shown in Fig. 1. The housing being secured by suitable bolt or fastening, not shown, through the opening H to the frame, also not shown, of the machine, or the box, A, may be constructed separate from the housing B, as shown in Fig. 3. The box, A, being retained by means of thumb screws, *a, a*, passing through flanges, *b*, formed on the housing B, or in any suitable manner.

The box, A, is provided with a dam, J, and an opening, K, whereby the fluid contents of the box A would discharge over the dam, J, through the opening K. I also have within the box, A, a wall, L, which forms one side of the opening, K, the dam, J, being the other side of said opening.

In connection with the wall, L, I secure one side of the clamp, C, preferably by means of the thumb screw G. The clamp C is arranged to pass over the top of the wall, L, within the box A, its side opposite the one through which the thumb screw, G, passes extending below the top of the dam, J, and is provided with a projection, I, adapted to come in contact with the side of the dam, J, beneath the outwardly project-

ing upper edge, *k*, thereof, as shown in Fig. 3. The lug, *g*, at the end of the wall, L, prevents the thumb screw G from slipping off and therefore the clamp C is prevented on each side from slipping out of position.

I place one end of a fibrous apron, F, in the box, A, and extend the same over the dam, J, through the opening, K, in contact with the surface to be lubricated, E, as shown in Fig. 2. By means of the clamp C and its thumb screw, G, I can exert upon the portion of the apron, F, in contact with the dam, J, a pressure which will cause the liquid, which will flow by capillary attraction through the apron from the end in the box to that portion in contact with the surface to be lubricated, to be stopped or accelerated, depending upon whether the point, I, is drawn tightly in contact with the apron or loosened from such contact. Thus the amount of the lubricating fluid will depend upon the position of the clamp C in connection with the wall L and dam J. I preferably make the apron F wider throughout that portion thereof that comes in contact with the roller E, as shown in Fig. 2, than that portion which passes over the dam, but of course, I do not limit myself to this form of apron. By coming in contact with the surface to be lubricated any dirt or foreign substances which may rest on the surface of the bearing will be taken up by the apron and the surface will be bright and clean after passing the apron in its rotation.

I do not limit the use of my invention to any particular kind of apparatus, movable or reciprocating, nor for distributing any kind of substance whether lubricating or not.

What I claim as my invention and desire to secure by Letters Patent is:

1. A box adapted to hold a lubricating fluid; a dam in said box; a fibrous material placed over said dam, one end thereof in the box and the other in contact with the place where it is desired to deposit the lubricating fluid; an adjustable clamp adapted to hold said fibrous material in position in contact with said dam.

2. A box adapted to hold a fluid; a dam in said box; an apron placed over said dam with one end thereof in the box the other protruding therefrom adapted to contact with the place where it is desired to deposit the fluid; an adjustable clamp extending over the top of the dam and adapted to press

the apron against the side of the dam; said clamp capable of adjustment within said box whereby said pressure upon said apron may be increased or diminished and the deposit
5 of the fluid thus regulated.

3. A box adapted to hold a fluid; a dam in said box; a fibrous apron passing over said dam, having one end in said box and the other end thereof protruding from said
10 box; a clamp composed of two parts, a U-

shaped member and a screw; said clamp extending over the dam and engaging said apron, substantially as described.

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

FINDLEY ROBERT PAINE.

Witnesses:

LOTTIE PRIOR,

FREDERICK W. CAMERON.