A. D. WISWALL.

CONTACT OILER.

APPLICATION FILED JUNE 12, 1907. RENEWED APR. 8, 1908.

903,257. Patented Nov. 10, 1908.

Fig. 1.

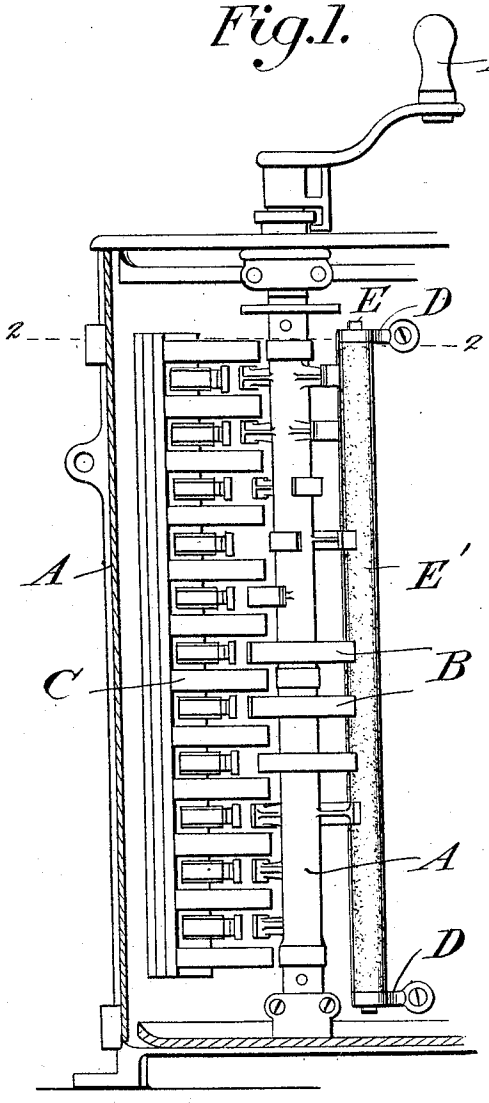


Fig. 2.

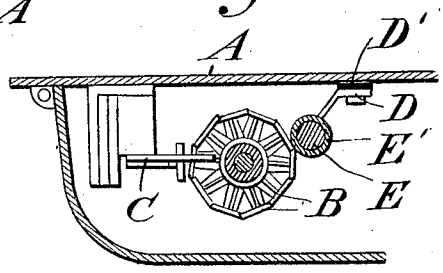
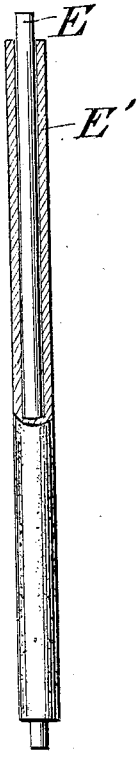


Fig. 3.



Witnesses

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CONTACT-OILER.

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Application filed June 12, 1907, Serial No. 378,523. Renewed April 8, 1908. Serial No. 425,927.

To all whom it may concern:

Be it known that I, ALBERT D. WISWALL, a citizen of the United States, residing at Utica, in the county of Oneida and State of New York, have invented a new and useful Improvement in a Contact-Oiler, of which the following is a specification.

This invention relates to a device for oiling the contact plates of controllers, the object of the invention being to reduce wear upon the contact plates and the contacting fingers which they engage, thereby prolonging the life of the controller.

The invention consists of the novel features of construction, hereinafter fully described, and pointed out in the claims, in which,

Figure 1 is a partial section taken vertically through a controller casing showing my invention applied thereto and in elevation. Fig. 2 is a section on the line 2—2 of Fig. 1. Fig. 3 is an elevation of my oiler partly broken away and shown in section.

In these drawings A represents the casing, which incloses the contact plates and fingers and within which my device is also arranged.

A′ represents the handle by means of which the controller shaft A^2 is rotated. This shaft carries the usual contact plates B, which engage fingers C. These parts are all of the usual construction and are in use at the present time.

My invention comprises two brackets D which are secured within the casing A adjacent the upper and lower ends of the said casing and which are carefully insulated from the casing as shown at D′ in Fig. 2. In these insulated brackets D are journaled loosely end portions of a rod E and between the said brackets the rod is covered with felt or any other suitable oil absorbing and retaining material, as shown at E′. This material is in contact with the contact plates B, and as the controller shaft A^2 is rotated, thus rotating the plates B, they will bear upon the felt or other material E′ and will rotate the felt covered rod E. In this manner the contact plates B will become oiled and will convey the oil to the fingers C, and by reason of rotation of the rod E new portions of the felt or other material E′ will be brought to bear upon the contact plates B. By oiling these contact plates and strips, the friction between them is reduced and wear of the plates, considerably obviated.

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

1. The combination with a controller shaft, contact plates thereon of a rotatable rod, said rod being incased in a lubricant absorbing material, said material being in engagement with the contact plates.

2. The combination with a controller having a rotatable shaft, contact plates thereon, and fingers engaged by the said plates, of a rotatable roll of lubricant saturated material in engagement with the contact plates, and means for insulating said roll from the controller casing.

3. The combination with a controller comprising a casing, shaft, contact plates and fingers, of brackets carried by and insulated from the casing, a rod journaled in said brackets said rod being parallel to the controller shaft, and a covering of absorbent material saturated with a suitable lubricant carried by the said rod and in engagement with the contact plates, as and for the purpose set forth.

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